

# 20<sup>TH</sup> INTERNATIONAL CONFERENCE OF YOUNG SCIENTISTS ON ENERGY AND NATURAL SCIENCES ISSUES (CYSENI 2024)



21–23th May, 2024 Time EEST (GMT+3), Breslaujos St. 3, Kaunas

DAY 1 (21 <sup>ST</sup> MAY)	
09 <sup>00</sup> –10 <sup>00</sup>	REGISTRATION (Lobby) & Welcome Coffee
<b>WELCOME &amp; KEYNOTE SESSION (AUDITORIUM 116)</b>	
10 <sup>00</sup> –10 <sup>30</sup>	WELCOME SPEECHES
10 <sup>30</sup> –10 <sup>40</sup>	CYSENI 2024 Agenda
10 <sup>40</sup> –11 <sup>40</sup>	Dr. Akvilė Viršilė (Lithuanian Research Centre for Agriculture and Forestry) CONTROLLED ENVIRONMENT AGRICULTURE: WHERE TECHNOLOGY MEETS PLANT BIOLOGY
11 <sup>40</sup> –12 <sup>40</sup>	Dr. Šarūnas Varnagiris (Lithuanian Energy Institute) HYDROGEN ENERGY AND ITS POSSIBILITIES IN R&D ACTIVITIES
12 <sup>40</sup> –13 <sup>00</sup>	Conference Picture (Inner Courtyard)
13 <sup>00</sup> –14 <sup>00</sup>	LUNCH BREAK
14 <sup>00</sup> –15 <sup>00</sup>	POSTER SESSION I

ORAL SESSION 1				
	Precision agriculture, horticulture, and forestry I	Precision agriculture, horticulture, and forestry II	Energy economics, policy, efficiency, reliability, and security I	Energy economics, policy, efficiency, reliability, and security II + Thermal physics, fluid mechanics and metrology
Auditorium	116	202	301	330
15 <sup>00</sup> –15 <sup>10</sup>	<b>Egidijus Vigrucas</b> Ch4 And N2O Emissions From Drained And Undrained Peatlands	<b>Rokas Antanynas</b> Effects Of Relay Cropping Grain Legume And Winter Rye For Grain Yield In An Organic Farming System	<b>Sofiia Spivak</b> Application Of Machine Learning For The Analysis Ultrasonic Signals Of In-Service Inspections Of The Reactor Pressure Vessel	<b>Julius Venckus</b> A Computational Study Of Multi-Regime Mixing In Triple Flows
15 <sup>10</sup> –15 <sup>20</sup>	<b>Simas Borkertas</b> Drying Techniques And Phenols Of Mushrooms And Mycelium Products	<b>Emilis Armoska</b> Overview On The Condition Of The Lithuanian Norway Spruce Population – Vulnerabilities And Greatest Threats	<b>Lukas Prakopavicius</b> Comparison Of Performance Of Eutectic And Active Transport Refrigeration Systems	<b>Nadiia Herashchenko</b> Effectiveness Of Heat Transfer By Sound And Thermal Conductivity In Superfluid

<b>15<sup>20</sup>–15<sup>30</sup></b>	<b>Renaldas Ruzgas</b> Effects Of Different Mineral Fertilizers And Sowing Densities On Cannabidiol Content And Biomass Distribution Over Different Parts Of Hemp ( <i>Cannabis Sativa</i> L.)	<b>Valentinas Cerniauskas</b> Chemical Changes In Precipitation Under Different Coniferous Tree Canopies	<b>Rimvydas Adomaitis</b> Validation Of Phpp And Esbo Light Tools Based On Low-Energy Building Monitoring Data	<b>Justina Jaseliunaite</b> Numerical Assessment Of Fluid Flow Characteristics In Micro Pin-Fin Configurations
<b>15<sup>30</sup>–15<sup>40</sup></b>	<b>Simonas Saikauskas</b> The Impact Of Winter Wheat Cultivars Mixtures On Diseases And Yield After Different Pre-Crops	<b>Valerio Prosseda</b> Suitability Maps Based On The Gis-Mcda Approach For Selecting The Most Prudent Forest Utilization	<b>Rasa Grilauskaite</b> Lithium-Ion Batteries Ageing Modelling And Reliability Assessment Methods	<b>Bartosz Sobik</b> The Polish Energy Transition – Techno-Economic Assessment
<b>15<sup>40</sup>–16<sup>10</sup></b>	<b>COFFEE BREAK</b>			
<b>16<sup>10</sup>–16<sup>20</sup></b>	<b>Ardas Kavaliauskas</b> Improving Maize Grain Yield Prediction Combined Field Measurements With Uav Multispectral Imagery And Machine Learning	<b>Mohsin Ali</b> Identification Of Genetic Components Of Roots And Shoot In Spring Wheat Under Drought Stress	<b>Justina Menkeliuniene</b> A Review Of Heat Transfer Enhancement Methods Used In Industrial Heat Generation Facilities	<b>Svetlana Kunskaia</b> Enhancing Society'S Welfare Through Renewable Energy Technologies
<b>16<sup>20</sup>–16<sup>30</sup></b>	<b>Martynas Urbutis</b> Exogenous Phytohormones: Evaluating The Synergistic Effects Of Phytohormones On Photosynthesis, Carotenoid Synthesis, Sugar Accumulation And Yield In Peas	<b>Ieva Gudzinskaite</b> Lighting Influence On Kale Microgreen Antioxidant Activity And Sugar Contents	<b>Emre Alvr</b> On The Use Of Thermal Insulation Plasters In Buildings: An Overview	<b>Vytautas Dziuve</b> Analysis Of Power-To-Hydrogen Integration To District Heating Market
<b>16<sup>30</sup>–16<sup>40</sup></b>	<b>Emilija Jankaityte</b> Seed Color-Dependent Effects Of Cold Plasma On Germination Of Red Clover Are Related To Strong Differences In The Structure Of Seed Coat	<b>Samanta Kaupaite</b> Anaerobic Digestate Impact For Common Cucumber ( <i>Cucumis Sativus</i> L.) Plant Biometric And Nondestructive Parameters During The Vegetation Period	<b>Jakub Fudalewski</b> Eco-Design: A Life Cycle Assessment Approach In Industrial Applications	<b>Gocha Kokhraidze</b> Georgian Power System 2030: Plexos Simulation Of Solar And Wind Integration, Market Dynamics, And Generation Adequacy
<b>16<sup>40</sup>–16<sup>50</sup></b>	<b>Mykola Kochiieru</b> Effect Of Soil Organic Carbon And Total Nitrogen On Water-Stable Aggregates After Freezing In Cambisol	<b>Vaida Cepulienė</b> Effects Of Harvest Time On Productivity And Quality Parameters Of <i>Allium Schoenoprasum</i> L.	<b>Tamer Guclu</b> Smart Energy Systems For Sustainability-A Review	<b>Darius Karasa</b> Enron Natural Ponzis As A Result Of Financial Saturation Phenomenon

**DAY 2 (22<sup>nd</sup> MAY)**

<b>08<sup>30</sup>–09<sup>00</sup></b>	<b>REGISTRATION (Lobby) &amp; Coffee</b>
<b>KEYNOTE SESSION (AUDITORIUM 116)</b>	
<b>09<sup>00</sup>–10<sup>00</sup></b>	<b>Prof. Gregorio Iglesias (University College Cork)</b> <b>OFFSHORE WIND AND THE ENERGY TRANSITION UNDER CLIMATE CHANGE</b>
<b>10<sup>00</sup>–11<sup>00</sup></b>	<b>Mr. Sebastian Wilhelm (Technical University of Munich)</b> <b>CFD MODELING OF PLASMA-ASSISTED ENTRAINED FLOW GASIFICATION</b>
<b>11<sup>00</sup>–12<sup>00</sup></b>	<b>POSTER SESSION II</b>
<b>11<sup>40</sup>–12<sup>40</sup></b>	<b>LUNCH BREAK</b>

**ORAL SESSION II**

	<b>Pest Management and Food Safety</b>	<b>Material technologies, hydrogen energy, and fuel cell technologies</b>	<b>Renewable energy sources</b>
<b>Auditorium</b>	<b>116</b>	<b>202</b>	<b>301</b>
<b>12<sup>40</sup>–12<sup>50</sup></b>	<b>Viktorija Januskeviciute</b> Comparing Biochemical Properties Of Sea Buckthorn ( <i>Hippophae Rhamnoides L.</i> ) Leaves: Enzyme-Assisted Extraction Vs. Solid-Liquid Extraction	<b>Recep Akdeniz</b> The Investigation Of Co-Coating And Co-Sintering Methods For Manufacturing Of Micro-Tubular Solid Oxide Fuel Cells	<b>Harun Sen</b> Performance Of Waste Heat Recovery Solar Chimney Power Plant For Different Ground Materials
<b>12<sup>50</sup>–13<sup>00</sup></b>	<b>Asta Kupcinskiene</b> Antioxidant Properties Of Different Lettuce Varieties Cultivated In A Greenhouse And Their Resistance To <i>Botrytis Cinerea</i>	<b>Leo Jansons</b> Classification Of Risks Associated With Hydrogen Injection Into Existing Gas Distribution Networks In Latvia	<b>Monika Grineviciute</b> Case Study On Solar Power Plant Parks And Heat Pumps – Influence Of Variable Seasonal Coefficient Of Performance (Scop)
<b>13<sup>00</sup>–13<sup>10</sup></b>	<b>Agata Wódkowska</b> Health Risk Assessment Of Heavy Metals In Chinese Teas Consumed By Polish Population	<b>Kenichi Mitsuzawa</b> Exploration Of High Temperature Carbon Dioxide Separation Membrane Materials	<b>Omer Faruk Guler</b> Multi Objective Optimization Of A Parabolic Trough Solar Collector Power Plant
<b>13<sup>10</sup>–13<sup>20</sup></b>		<b>Ahmed Hosney</b> Evaluation Of The Optimization Of Acidic Demineralization On Characterization Of Chitosan Isolated From Shrimp Shells	<b>Darius Pranckevicius</b> Investigation Of Hybrid Renewable Energy System Application In Industrial Sector

13 <sup>20</sup> –13 <sup>30</sup>		<p align="center"><b>Peter Szabo</b> Hydrogen Uptake Of Zirconium Alloys In Defective Fuel Rods: Experiment And Numerical Model</p>	<p align="center"><b>Ralfas Lukosevicius</b> Prerequisites For Integration Of Green Hydrogen And Biomethane Production Processes In A Real Wastewater Treatment Plant</p>
13 <sup>30</sup> –13 <sup>40</sup>		<p align="center"><b>Paulius Buidovas</b> Carbon Supported Metal Catalyst From Seaweed-Derived Bio-Char Preparation And Characterization Via Chemisorption</p>	<p align="center"><b>Sondos Mashaileh</b> Solar Production With Demand Through Tilt Optimization - Case Study From Jordan</p>
13 <sup>40</sup> –13 <sup>50</sup>		<p align="center"><b>Joanna Muszynska</b> Innovative Use Of Fly Ash For Sorption Processes</p>	<p align="center"><b>Abdul Wahab</b> Assessment And Remediation Of Heavy Metal Contamination In Bukit Ibam Iron Ore Mine Tailings: Electrokinetic Approach For Environmental Restoration In Pahang, Malaysia</p>
14:20	<b>SOCIAL EVENT – EXCURSIONS (DON'T BE LATE)</b>		
19:00	<b>CONFERENCE DINNER</b>		

**DAY 3 (23<sup>RD</sup> MAY)**

<b>08<sup>30</sup>–09<sup>00</sup></b>	<b>REGISTRATION (Lobby) &amp; Coffee</b>
<b>KEYNOTE SESSION (AUDITORIUM 116)</b>	
<b>09<sup>00</sup>–09<sup>30</sup></b>	<b>Dr. Birutė Frercks (Lithuanian Research Centre for Agriculture and Forestry)</b> <b>THE PROSPECTS OF OMICS IN AGRICULTURE</b>
<b>09<sup>30</sup>–10<sup>00</sup></b>	<b>Dr. Vita Tilvikienė (Lithuanian Research Centre for Agriculture and Forestry)</b> <b>THE USE OF AGROBIOMASS FOR BIOENERGY - OPPORTUNITIES AND CHALLENGES</b>
<b>10<sup>00</sup>–11<sup>00</sup></b>	<b>Prof. Ihor Kadenko (Taras Shevchenko National University of Kyiv)</b> <b>DISCOVERY OF A BOUND DINEUTRON AND POSSIBLE IMPLICATION FOR HYDROGEN ENERGY</b>
<b>11<sup>00</sup>–12<sup>00</sup></b>	<b>POSTER SESSION III</b>
<b>11<sup>40</sup>–12<sup>40</sup></b>	<b>LUNCH BREAK</b>

**ORAL SESSION III**

	<b>Climate change, plant genetics and breeding</b>	<b>Bioenergy + Fusion energy + Combustion and plasma processes</b>
<b>Auditorium</b>	<b>116</b>	<b>202</b>
<b>12<sup>40</sup>–12<sup>50</sup></b>	<b>Raitis Rieksts-Riekstins</b> Pinus Sylvestris Breeding For Resistance Against Natural Infection Of The Fungus Heterobasidion Annosum	<b>Agne Minderyte</b> Impact Of Long-Range Transported Biomass Burning-Related Black Carbon In Two Urban Environments
<b>12<sup>50</sup>–13<sup>00</sup></b>	<b>Małgorzata Hasal</b> Temperature Impacts On Co2 Adsorption Efficiency In Direct Air Capture Insights	<b>Egidijus Buivydas</b> A Life Cycle Assessment Of Methane Slip Reduction In Biomethane Production Process
<b>13<sup>00</sup>–13<sup>10</sup></b>	<b>Giedrius Dabasinskas</b> Peatland Loss And Restoration Potential In Lithuania	<b>Vilmante Kudelyte</b> Catalytic Pyrolysis Of Lignin Waste For Higher-Added-Value Energy Products Recovery
<b>13<sup>10</sup>–13<sup>20</sup></b>	<b>Edvinas Misiukevicius</b> Effects Of Ploidy On Physiological Performance Of Hemerocallis Plants Under Water Deficit	<b>Ernest Bykov</b> Analysis Of The Plasma-Assisted Combustion Process Of The Hydrocarbon-Containing Lean Mixtures With Various Co2 Content
<b>13<sup>20</sup>–13<sup>30</sup></b>	<b>Gediminas Naujokas</b> Food Waste Sorting Behavior: A Systematic Literature Review	<b>Andrius Ambrutis</b> Analysing An Ann Model For Laminar Burning Velocity: Strategies For Improvement
<b>13<sup>30</sup>–13<sup>40</sup></b>	<b>Aliksandr Padutau</b> Microsatellite Analysis Of Scots Pine Seed Lots	<b>Ignas Ambrazevicius</b> Analysis Of Agglomeration And Fouling Processes During Agro Biomass Combustion In Low-Temperature Bed

<b>13<sup>40</sup>–14<sup>00</sup></b>	<b>COFFEE BREAK</b>	
<b>14<sup>00</sup>–14<sup>10</sup></b>	<b>Karolina Gurjazkaite</b> Paradigm Of Ecological Flow And Its Application Perspective For Lithuanian Rivers	<b>Deniz Agehan Kahraman</b> Role Of B4C And Gd2O3 In Polyaniline Composites As Neutron Shielding Material: A Simulation Study
<b>14<sup>10</sup>–14<sup>20</sup></b>	<b>Mindaugas Iliciukas</b> Genetic Diversity Of Quercus Robur (L.) Old Growth Trees In Lithuania Based On Dna Markers	<b>Povilas Balcius</b> Modelling Of Nsr Safety Relevant Radionuclide Sorption In Loam Of Different Mineralogical Composition
<b>14<sup>20</sup>–14<sup>30</sup></b>	<b>Gabija Vaitkeviciute</b> Unraveling The Gene Expression Dynamics Of Winter Wheat During Cold Acclimation, Deacclimation, And Reacclimation	<b>Róbert Farkas</b> The Codex-Atf Integral Bundle Test
<b>14<sup>30</sup>–14<sup>40</sup></b>	<b>Raminta Antanyniene</b> Monilinia Spp. Ssr Marker Database	<b>Áron Hegedüs</b> Cooperation In The Development Of Small Modular Reactor Concepts
<b>14<sup>40</sup>–14<sup>50</sup></b>	<b>Augustina Kolytaite</b> Microbiome Diversity In Buds Of Plum Genotypes Differing In Their Resistance To Brown Rot Disease	<b>Nadiia Sakhno</b> Flaw Handbook development for NPP VVER-1000 RPV beltline zone Weld #4
<b>14<sup>50</sup>–15<sup>10</sup></b>	<b>COFFEE BREAK</b>	
<b>15<sup>10</sup>–15<sup>30</sup></b>	<b>CLOSING CEREMONY</b>	

No.	POSTER SESSION I	POSTER SESSION II	POSTER SESSION III
1	<p align="center"><b>Bronius Zalys</b></p> <p align="center">Enhancing Biogas Efficiency: Environmental Impact Of Various Feedstock Pretreatment Technologies</p>	<p align="center"><b>Agne Lukosiute-Stasiukoniene</b></p> <p align="center">Impact Of Drilling Time On Winter Wheat Performance: Yield And Relevant Grain Quality Parameters</p>	<p align="center"><b>Ilona Kavaliauskiene</b></p> <p align="center">Preliminary Findings From The Morphological Assessment Of Norway Spruce Gene Conservation Units (Gcu) In Lithuania</p>
2	<p align="center"><b>Rimante Balsiunaite</b></p> <p align="center">Economic Impact Of Environmentally Friendly Practices: A Systematic Literature Review And Future Research Directions</p>	<p align="center"><b>Mouandhe Imamou Hassani</b></p> <p align="center">Evaluation Of Chemical Composition Of Hemp And Pumpkin By-Products</p>	<p align="center"><b>Yasha Jamil</b></p> <p align="center">Nitrogen Fixation Efficiency Of Soybean Under The Effect Of Endophytic Bacteria Selected From Lithuanian Organic Field</p>
3	<p align="center"><b>Skaiste Dreskiniene</b></p> <p align="center">A Review On Microplastics In European Soil: Occurrence, Sources, Analytical Methods, And Potential Ecological Risk</p>	<p align="center"><b>Jakub Frankowski</b></p> <p align="center">Sorghum Cultivation In Temperate Climate And Its Nutritional Potential</p>	<p align="center"><b>Dominyka Zubrickaite</b></p> <p align="center">Xrd Study Of Copper Sulphide Films On Fto Glass</p>
4	<p align="center"><b>Andrius Puzas</b></p> <p align="center">Cs And Plutonium Isotopic “Zero Point” Baseline Assessment In Eastern Lithuania: Determining Potential Radiological Impact From Astravets Nuclear Power Plant</p>	<p align="center"><b>Loreta Meskauskiene</b></p> <p align="center">The Impact Of Diverse Tillage And Crop Management Practices On The Dynamics Of Weed Growing In Winter Oilseed Rape</p>	<p align="center"><b>Gabija Smulkaite</b></p> <p align="center">Biosynthesis Of Novel Bacteriocins With Anti-Phytopathogenic Activity</p>
5	<p align="center"><b>Yaqoob Sultan</b></p> <p align="center">Variability In Seed Characteristics Among Wild Ecotypes Of Lotus Corniculatus L. In Lithuania</p>	<p align="center"><b>Renata Baranauskiene</b></p> <p align="center">Microencapsulation Properties Of Model Flavours Spray-Dried Into Modified Starches</p>	<p align="center"><b>Vytautas Cesna</b></p> <p align="center">Defense Mechanisms Of Pinus Sylvestris: Biologically Active Compounds In Needles Following Lymantria Monacha Outbreaks And Treatment With Foray 76B</p>
6	<p align="center"><b>Urte Stulpinaite</b></p> <p align="center">Hemp Residues Mineralization Impact On Soil Chemical Properties</p>	<p align="center"><b>Agne Bogusevice</b></p> <p align="center">Yeast-Powered Microbial Biofuel Cells With Quinones As Mediators</p>	<p align="center"><b>Urte Raubyte</b></p> <p align="center">Antimicrobial Antioxidant Polymer Films With Green Silver Nanoparticles From Symphyti Radix</p>
7	<p align="center"><b>Gabriele Capaite</b></p> <p align="center">Dynamics Of Functional Group Composition In Grass - Legume Mixtures</p>	<p align="center"><b>Tohfa Nasibova</b></p> <p align="center">In Silico Evaluation Of Exotoxicity Of Passiflora Incarnata Alkaloids</p>	<p align="center"><b>Lukas Asanavicius</b></p> <p align="center">Analysis Of Biotechnologically And Physically Treated Bee-Collected Pollen</p>
8	<p align="center"><b>Ala Gassim Elhag Elshakh Mohamed</b></p> <p align="center">Research Of The Impact Of Active Surfaces On The Formation Of Vapor Film Under Boiling Crisis Conditions</p>	<p align="center"><b>Shayan Syed</b></p> <p align="center">Screening Of Wheat Resistance To FHB Using Different Kinds Of Inoculation</p>	<p align="center"><b>Milana Silanskiene</b></p> <p align="center">Potential Of European Ash (Fraxinus Excelsior L.) Endophytes</p>
9	<p align="center"><b>Illia Shakhbazov</b></p> <p align="center">Comparative Analysis Of The Biomass Pellets Combustion In A Household Boiler Unit</p>	<p align="center"><b>Airingas Suopys</b></p> <p align="center">High-Hardness Alumina Coatings Deposited Using Atmospheric Plasma Spraying</p>	<p align="center"><b>Hassan Zhairabany</b></p> <p align="center">Effect Of Chrome-Nickel Doping On The Structure And Properties Of Diamond-Like Carbon Films</p>

10	<b>Ieva Cesniene</b> Antioxidant Capacity In Different Norway Spruce Half-Sib Families, After Seed Treatment With Electromagnetic Field	<b>Sana Ullah</b> Assessing The Effect Of Foliar Applied Chitosan On Wheat Grown In Copper And Zinc Contaminated Simulated Wastewater	<b>Babar Ali</b> Evaluation Of The Chemical Composition Of Quince And Cape Gooseberry Seeds
11	<b>Ruta Maleckiene</b> The Impact Compost On Nutrient, The Change In Soil And The Beetroot Yield	<b>Edvinas Meizys</b> Production Of Liquid Fertilizers Made From Waste Of Various Origin	<b>Ameer Hamza</b> Soil Aggregation And Carbon Stabilization By Applying Biochar And Compost
12	<b>Neringa Matelioniene</b> Brassica Cover Crops' Effect On Soil Microorganism Diversity And Abundance: A Literature Review	<b>Kamile Pozniakaite</b> The Search For Antimicrobial Agents Against Plant Pathogenic Bacteria	<b>Greta Striganaviciute</b> Evaluating The Effects Of Polycyclic Aromatic Hydrocarbons On Silver Birch Seedlings Health: Lipid Peroxidation, Total Phenol Content, And Chlorophylls As Biomarkers
13	<b>Jovita Jovaisaite</b> Extraction Of Bioactive Compounds From Astragalus Glycyphyllos: Innovative Methods And Antioxidant Evaluation	<b>Rimas Meistininkas</b> The Effect Of Biosurfactant On Soil Nutrient Levels During Legume-Based Phytoremediation Of Petroleum Hydrocarbons-Contaminated Soil	<b>Viktorija Punyte</b> The search of new bacteriocins active against phytopathogenic bacteria
14	<b>Arman Shamshitov</b> The Influence Of Introducing White Mustard As A Cover Crop On Mycorrhizal Colonization Intensity Of Cash Crops Under Different Tillage Practices	<b>Syeda Hijab Zehra</b> Sustainable-Green Synthesis Of Silver Nanoparticles Using Aqueous Hyssopus Officinalis And Calendula Officinalis Extracts And Their Antioxidant And Antibacterial Activities	<b>Goda Jasinskaite</b> Unlocking The Secrets Of Mandragora Officinarum'S Phytochemistry And Bioactivities
15	<b>Agne Maciulskaitė</b> The Evaluation Of Antioxidant Activity Of Amelanchier Alnifolia L. Fruits	<b>Deimante Cepauskiene</b> Effect Of Mineral Additives On The Melting Behaviour Of Wheat Straw And Fibre Hemp Ash	<b>Migle Liudziute</b> Optical Characterization Of Cadmium Sulfide Films Obtained Using Gelatin Stabilizer On Fto Glass
16	<b>Vaide Sakalauskiene</b> Green Synthesis, Characterization, And Antimicrobial Activity Of Silver Nanoparticles Synthesized By Viburnum Opulus Plant By-Products	<b>Rolandas Uscila</b> Modeling Of Plasma Transferred Arc And Flow In Comsol Multiphysics	<b>Regina Losinska-Siciuniene</b> Optimization Of Carotenoid Accumulation In Rhodotorula Yeasts
17	<b>Kaltrina Jusufi</b> An Eco-Friendly And Free Approach To Water Remediation With Biosorbents	<b>Aurimas Sabeckis</b> Effect Of Seed Treatment Fungicides On Yield Increase And Root Rot Intensity In Different Winter Wheat Varieties And Sowing Times	<b>Vytautas Bunevicius</b> Apple Tree Orchard Soil Fatigue Of Replant Sites
18	<b>Akvile Giedraityte</b> Optimization Of Renewable Energy Systems: A Review	<b>Jovita Balandaite</b> Biomass Productivity And Energy Efficiency Of Maize, Hemp And Faba Bean Multi-Crops	<b>Mohab Salem</b> Experimental Investigation On A Serpentine Condensing Heat Exchanger
19	<b>Maksims Filipovics</b> Preliminary Results Of Hyperspectral Image Analysis Of	<b>Austra Diksaityte</b> Differences In Tetracycline And Ciprofloxacin Phytotoxicity	<b>Ausra Baksinskaite</b> Natural Resources: Artemisia Dubia Wall



	Fusarium Head Blight On Oats	On Brassica Napus	
20	<b>Paweł Kut</b> Overcoming Challenges In Heat Pump Heating Systems: A Path To Enhanced Efficiency And Reliability	<b>Justina Kaziuniene</b> Nitrogen Fixation And Root Nodulation Efficiency Of Lithuanian Pisum Sativum Variety "Egle Ds" After Seed Inoculation With Different Rhizobium Spp.	<b>Linda Laima Alsina</b> Cobalt Doping Concentration Effect On Nickel Hydroxide Usability As An Auxiliary Electrode For Water Splitting
21	<b>Aida Skersiene</b> Soc And Weoc In The Soil Under Different Composition Swards	<b>Augustinas Andziulis</b> Impact Of Cold Plasma Seed Treatment On Phytochemical Content Of Stevia Rebaudiana Bertoni Cultivars	<b>Agne Buivydiene</b> Tillage Influence On Soil Conditions And Co2 Eflux From Different Cropping Systems During Crop Growing Season
22	<b>Aurelija Ramanauskaite</b> Study Of Chitosan As A Seed Treatment	<b>Sana Abbas</b> Comparative Analysis Of Antioxidant Potential In Desmodium Canadense Across Different Growth Stages	<b>Klaudija Vaiciukynaite</b> Selection And Deposition Of Optimally Formulated Solutions For Cobalt Sulfide Layers On Fto Glass Surface
23	<b>Hakki Bilgin</b> Fermentation Of Chlorella Vulgaris Towards Food And Nutraceutical Applications: A Feasibility Study	<b>Dalia Mohammed Talat Ebrahim Ali</b> A Review Exploring The Role Of Ai Integration With Bems In Bridging The Performance Gap For Enhanced Building Efficiency	<b>Viktorija Cholomske</b> Data-Driven Analysis Of Building Modernization For Enhanced Energy Efficiency And Decarbonization Outcomes
24	<b>Tamara Tsebriienko</b> Novel V1-Xrexo2 Films For Smart Windows Technology	<b>Ieva Miciuliene</b> How The Adoption Of Eu Climate Policy Affects National Competitiveness: Unveiling Strategies And Policy Insights	<b>Greta Stonyte</b> The Influence Of Organic Fertilizers On The Activity Of Soil Microorganisms
25	<b>Bartosz Nycz</b> Clearing The Air: How Energy Sector Decarbonization Enhances Air Quality And Public Health	<b>Regina Rancane</b> The Overwintering Inoculum Of Pear Scab In Shoots	<b>Khaled Saad</b> Recovery Of Precious Metals From Pcb Boards In Waste Cellphones
26	<b>Darius Jermala</b> Management Of Mineral Nutrition To Control The Quality And Safety Of Post-Harvest Leafy Vegetables	<b>Indre Poceviene</b> Elevating Black Currant Pomace From Waste To Wealth: A Biorefinery Approach	<b>Kriste Stravinskaite</b> Breeding And Reintroduction Of Endangered Bubo Bubo Species In Lithuania
27	<b>Rita Petlickaite</b> Investigation Of Multi-Crop Plant Biomass Ash Properties	<b>Shervin Hadian</b> Exploring Diversity, Antagonistic Properties And Phosphatase Activity Of Endophytic Bacteria In Artemisia Spp.	<b>Laura Juriene</b> Antioxidant Activity Of Dioscorea Caucasica And Dioscorea Nipponica Leaves, Roots And Their Extracts
28	<b>Ugne Gabryte</b> Evaluation Of Aegopodium Podagraria Antioxidant And Antimicrobial Activity Using Different Extraction Solvents	<b>Khadija Ramzan</b> Sustainable Renewable Pigments From Fruits And Vegetable By-products For Polydimethylsiloxane	<b>Aine Povilaikaite</b> ZnO nanowires hydrophobicity coating effect on the formation of vapour films

<b>29</b>	<b>Asta Bronusiene</b> Investigation Of Structural, Optical, And Electrical Properties Of Tin Sulphide Thin Films For The Energy Storage Application		
<b>30</b>	<b>Gabija Steigvilaite</b> Application Of Physical Methods In The Biotechnological Processing Of Plant By-Products		