

**2nd INTERNATIONAL CONGRESS ON SUSTAINABLE DEVELOPMENT IN THE
HUMAN ENVIRONMENT- CURRENT AND FUTURE CHALLENGES**

October 23-26, 2024 – Antalya, TÜRKİYE

**23.10.2024
HALL- CRYSTAL BALL ROOM**



Ankara Local Time: 14:00

REGISTRATION	14:00 – 17:00
Welcome evening	from 19:00

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**24.10.2024 PLENARY SESSION
HALL- CRYSTAL BALL ROOM**



Ankara Local Time: 09:00

REGISTRATION	9:00-10:00
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OPENING SPEECH Prof. Dr. Kenan Ahmet Türkdoğan Rector of Alanya Alaaddin Keykubat University	10:00-10:30
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PLENARY SESSION I KEYNOTE SPEAKERS HEAD OF SESSION: Anna Krakowiak-Bal- Roman Rolbiecki	
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Atif Bayramoğlu	Alanya Alaaddin Keykubat University, Turkiye	IMPORTANCE OF FIRST AID	10:30-11:00
Leszek Kuchar	Wroclaw University of Environmental and Life Science, Poland	AGROCLIMATIC CONDITIONS OF CROP PRODUCTION IN POLAND, CURRENTLY AND IN THE COMING YEARS – BASED ON CLIMATIC WATER BALANCE (CWB) AND HYDROTHERMAL COEFFICIENT (HTC)	11:00-11:30
Monika Marković	University of Osijek, Croatia	IRRIGATION IN CROATIA – CHALLENGES AND PERSPECTIVES	11:30-12:00

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**24.10.2024 SESSION-I
HALL - CRYSTAL BALL ROOM**



Ankara Local Time: 13:30-15:00

HEAD OF SESSION I : Atilgan Atilgan- Justyna Bauza-Kaszewska

The time allocated for each presentation is a maximum of 15 minutes

Gitana Vyčienė Vilda Grybauskienė	<i>Lithuanian University of Applied Engineering Sciences</i>	ROOFTOP RAINWATER HARVESTING FOR SUSTAINABLE WATER USAGE IN LITHUANIAN FARMS
Sedat Boyacı Adil Akyüz	<i>Kırşehir Ahi Evran University Kahramanmaraş Sütçü İmam University</i>	EVALUATION OF SOME MEASURES TO INCREASE ENERGY EFFICIENCY IN GREENHOUSES
Antanas Juostas Eglė Jotautienė	<i>Agriculture Academy, Vytautas Magnus University</i> <i>Agriculture Academy, Vytautas Magnus University</i>	TRANSFORMATION OF LEGISLATIVE POWER AND NEW FUNCTIONS OF THE LEGISLATURE IN THE AUTOCRATIZATION PROCESS: THE CASE OF TURKEY
Marta Śliwa Katarzyna Glińska- Lewczuk	<i>University of Warmia and Mazury in Olsztyn</i>	PREPARING SOCIETY FOR CLIMATE CHANGE: A METHODOLOGICAL APPROACH TO BUILDING CLIMATE RESILIENCE THROUGH ENVIRONMENTAL VIRTUE ETHICS AND REGIONAL CAPACITY STRENGTHENING
Ercüment Aksoy	<i>Akdeniz University</i>	INVESTIGATION OF THE RELATIONSHIP BETWEEN NO₂, LAND SURFACE TEMPERATURE AND VEGETATION COVER USING LANDSAT-8 AND SENTINEL-5P SATELLITE IMAGES AND GOOGLE EARTH ENGINE: THE CASE OF ANTALYA
M.H.N. Oshada H.M.A.G.B. Thilakarathne K.G.S. Nirmanee M.K.N. Kumari M.H.J.P. Gunarathna	<i>Rajarata University of Sri Lanka National Water Supply and Drainage Board</i>	GEOSPATIAL TECHNIQUES FOR GROUNDWATER RECHARGE POTENTIAL MAPPING IN SIVALAKULAMA CASCADE, ANURADHAPURA, SRI LANKA

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**24.10.2024 SESSION-II
HALL - CRYSTAL BALL ROOM**



Ankara Local Time: 15:15- 16:45

HEAD OF SESSION II : Antanas Juostas- Joanna Kocięcka

The time allocated for each presentation is a maximum of 15 minutes

Ali Gül Sertan Sesveren	Ministry of Agriculture and Forestry Kahramanmaraş Sutcu Imam University	DETERMINANTS OF THE ADOPTION OF PRESSURED IRRIGATION SYSTEMS AND TECHNICAL ISSUES ON RESEARCH IN ANKARA, TÜRKİYE
Vilda Grybauskiene Gitana Vyciene Paulius Cepas	<i>Lithuanian University of Applied Engineering Sciences Kaunas Educational Center of Technologies</i>	RAINWATER STORAGE AND FLOW CONTROL IN GREEN ROOFS' LAYERS
Servet Tekin Şuanur Paksoy Attila Yazar Yeşim Bozkurt Çolak Sunay Tekin	<i>Kahramanmaraş Sütçü İmam University Cukurova University Malatya Turgut Ozal University TARSİM Adana Regional Directorate</i>	EFFECT OF MOLECULAR OSCILLATION TECHNOLOGY USED IN DRIP IRRIGATION SYSTEMS ON FLOW CHANGE RATE AND COEFFICIENT VARIATION
Kęstutis Romaneckas Austėja Švereikaitė Rasa Kimbirauskienė Aušra Sinkevičienė Algirdas Jasinskas Jovita Balandaitė	<i>Vytautas Magnus University</i>	IMPACT OF VEGETATIVE PERIOD HUMIDITY ON THE FUEL CONSUMPTION, ENERGY AND GHG INDICES IN MAIZE-LEGUMES INTERCROPPED CULTIVATIONS
Árpád Illés János Nagy Adrienn Széles Endre Harsányi Brian Ssemugenze Akasairi Ocwa Csaba Bojtör	<i>University of Debrecen</i>	ANALYSIS OF THE RELATIONSHIP BETWEEN FLIGHT PARAMETERS, NUTRIENT LEVELS AND HYBRIDS IN A SMALL PLOT FIELD EXPERIMENT USING A MULTISPECTRAL UAV
Algirdas Jasinskas Gvidas Gramauskas Rolandas Domeika Edvardas Vaiciukevičius Kęstutis Romaneckas	<i>Vytautas Magnus University</i>	INVESTIGATION AND ANALYSIS OF INVASIVE PLANTS PROCESSING AND UTILIZATION FOR THE PRODUCTION OF PRESSED BIOFUEL

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24.10.2024 SESSION-III
HALL - CRYSTAL BALL ROOM



Ankara Local Time: 17:00 - 18:30

HEAD OF SESSION III: Adrienn Széles- Mirosław Kobierski

The time allocated for each presentation is a maximum of 15 minutes

Vyacheslav Savinov	<i>Yu.M. Potebni ZNU</i>	INFLUENCE OF MAGNETIC FIELDS ON THE OPERATION OF INTERNAL COMBUSTION ENGINES BY CHANGING THE FUEL STRUCTURE
Joanna Kocięcka Marcin Stróżecki Radosław Juszcak Daniel Liberacki	<i>Poznań University of Life Sciences</i>	HOW SUBIRRIGATION AND SILICON APPLICATION CAN AFFECT BIOMASS YIELD AND CARBON DIOXIDE BALANCE OF A THREE-CUT MEADOW?
Meysam Soleimani	<i>Bursa Technical University</i>	SHOVADAN; A NETWORK OF UNDERGROUND PRIVATE AND PUBLIC SPACES
Onur Özbaş Duygu Arslan Nazlı Erdoğan Hakan Aktaş	<i>Enza Zaden Turkey Research & Development</i> <i>Isparta University of Applied Sciences</i>	THE EFFECT OF OLD-GOLD CRIMSON (ogc-1), hp-1 and hp-2 GENES ON LICOPENE CONTENT IN F1 HYBRID TOMATO LINES
Abdilgefar Kemal Berhanu Bekele Wondimu Ayele Bogale Wolde Tagesse Tadesse	<i>Wachemo University</i>	REPRODUCTIVE STATUS AND BREEDING PRACTICES IN DAIRY COWS IN CENTRAL ETHIOPIA
Atılğan Atılğan Hasan Ertop Burak Saltuk	<i>Alanya Alaaddin Keykubat University</i> <i>Ministry of Agriculture and Forestry</i>	CALCULATION OF THE DISTRIBUTED POLLUTANT LOAD OF ANIMAL WASTES: THE CASE OF CATTLE

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**25.10.2024 PLENARY SESSION
HALL- CRYSTAL BALL ROOM**



Ankara Local Time: 10:00 - 11:30

PLENARY SESSION II KEYNOTE SPEAKERS			
HEAD OF SESSION: Hakan Aktas - Arkadiusz Migdalski			
Antanas Juostas	Vytautas Magnus University, Lithuania	INNOVATIVE TECHNOLOGIES FOR SMART AGRICULTURE	10:00-10:30
Éva Horváth	University of Debrecen, Hungary	ANALYSIS OF AGRICULTURAL LAND USE OF HUNGARY (2000–2020)	10:30-11:00
Tomasz Jakubowski	University of Agriculture in Krakow, Poland	MAGNETIC FIELD AS A PHYSICAL FACTOR IN THE STIMULATION OF SEED MATERIALS	11:00-11:30

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25.10.2024 SESSION-IV
HALL - CRYSTAL BALL ROOM



Ankara Local Time: 13:00 – 14:30

HEAD OF SESSION IV: Csaba Juhász- Eglé Jotautienė

The time allocated for each presentation is a maximum of 15 minutes

Roman Rolbiecki Stanisław Rolbiecki Hicran Sadan-Ozdemir Anna Figas Dorota Wichrowska Barbara Jagosz Anna Krakowiak-Bal Piotr Stachowski Wiesław Ptach Daniel Liberacki Ferenc Pal-Fam Atilgan Atilgan	<i>Bydgoszcz University of Science and Technology</i> <i>University of Agriculture in Krakow</i> <i>Poznań University of Life Sciences</i> <i>Warsaw University of Life Sciences</i> <i>Szent István University</i> <i>Alanya Alaaddin Keykubat University</i>	THE GROWTH AND YIELD OF CHOSEN EUROPEAN ASPARAGUS CULTIVARS AS EFFECTED BY SUBSURFACE DRIP IRRIGATION UNDER VERY LIGHT SOIL CONDITIONS IN THE KUYAVIA REGION IN POLAND
Péter Zagyi Éva Horváth Károly Simon Ibtissem Balaout Csaba Juhász Adrienn Széles	<i>University of Debrecen</i>	DYNAMICS OF MAIZE EMERGENCE, DEVELOPMENT AND YIELD AT DIFFERENT SOWING TIMES
Vivien Pál László Zsombik	<i>University of Debrecen</i>	THE ROLE OF OIL RADISH (<i>RAPHANUS SATIVUS</i> CONVAR. OLEIFERUS) GREEN MANURE IN CROP ROTATION
Ceyhun Emir Nazlı Erdoğan Gülnur Aydın Hakan Aktaş	<i>Isparta University of Applied Sciences</i>	DETERMINATION OF PUMPKIN VARIETY CANDIDATES SUITABLE FOR ROOTSTOCK
Eglé Jotautienė Rolandas Domeika Davut Karayel Antanas Juostas Ramūnas Mieldažys	<i>Vytautas Magnus University</i>	ORGANIC GRANULAR FERTILIZERS FROM AGRICULTURE WASTE FOR SUSTAINABLE ENVIRONMENT
Hakan Kavur Ozan Artun	<i>Çukurova University</i>	INVESTIGATION OF WEST NILE VIRUS CURRENT STATUS IN EAST MEDITERRANEAN REGION BY USING GIS

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25.10.2024 SESSION-V
HALL - CRYSTAL BALL ROOM



Ankara Local Time: 14:45 – 16:15

HEAD OF SESSION V: Anna Baryła- Kęstutis Romanekas

The time allocated for each presentation is a maximum of 15 minutes

Csaba Juhász Margit Nagy Nóra Mendler- Drienyovszki Katalin Magyar-Tábori László Zsombik	University of Debrecen Plant and Soil Protection Directorate of Szabolcs- Szatmár-Bereg County Government Office Institutes for Agricultural Research and Educational Farm	EFFECT OF POSTEMERGENTLY APPLIED HERBICIDES ON THE DEVELOPMENT OF SWEET WHITE LUPINE (<i>LUPINUS ALBUS L.</i>)
Hüsne Gök Olgaç Hakan Polatçı	Kahramanmaraş Sütçü İmam University Tokat Gaziosmanpaşa University	DRYING PEACH AND APRICOT PULPS UNDER DIFFERENT CONDITIONS AND DETERMINING QUALITY PARAMETERS
Csaba Bojtör János Nagy Adrienn Széles Endre Harsányi Brian Ssemugenze Akasairi Ocwa Árpád Illés	University of Debrecen	NITROGEN USE EFFICIENCY OF MAIZE IN DIFFERENT FERTILISATION LEVELS BASED ON LONG-TERM FIELD EXPERIMENT
Atılğan Atılğan Yücel Çardakçı Coşkun Harmanşah	Alanya Alaaddin Keykubat University İzmir Directorate of Provincial Agriculture and Forestry Ege University	MECHATRONIC SYSTEMS AND ARTIFICIAL INTELLIGENCE IN THE FUTURE OF ANIMAL PRODUCTION
Yücel Çardakçı	İzmir Directorate of Provincial Agriculture and Forestry	ANALYZING THE EXPECTATIONS OF AGRICULTURAL STRATEGY TARGETS FOR İZMİR WITHIN THE FRAMEWORK OF ECOLOGICAL AGRICULTURAL MARKETING WITH PLM METHODOLOGY
Murat Can Fırat Arslan Hasan Değirmenci Müge Kirmikil	State Hydraulic Works Alanya Alaaddin Keykubat University Kahramanmaraş Sütçü İmam University Bursa Uludağ University	CAN THE NEW SHAPE INDEX BE USED IN THE EVALUATION OF PROJECTS UNDERTAKEN BY STATE HYDRAULIC WORKS?

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25.10.2024 SESSION-VI
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Ankara Local Time: 16:30 – 18:00

HEAD OF SESSION VI: Eva Horvath- Mateusz Malinowski

The time allocated for each presentation is a maximum of 15 minutes

Edita Abalikštienė Vilma Šalkauskienė	<i>Lithuanian University of Applied Engineering Sciences</i>	INVESTIGATING WATERLOGGED LAND AREAS IN LITHUANIA
Katarzyna Glińska- Lewczuk K.G.S. Nirmanee Nadeeka Kumari Janaka Gunarathna Paweł Burandt	<i>University of Warmia and Mazury in Olsztyn Rajarata University of Sri Lanka</i>	ISOTOPIC TRACERS (δ18O AND δ2H) AS A TOOL SUPPORTING WATER MANAGEMENT IN SRI LANKA'S DRY ZONE
Ceyhun Emir Nazlı Erdoğan Gülner Aydın Hakan Aktaş	<i>Isparta University of Applied Sciences</i>	DETERMINATION OF PUMPKIN VARIETY CANDIDATES SUITABLE FOR ROOTSTOCK
Ercüment Aksoy Atılğan Atılğan Hasan Ertop	<i>Akdeniz University Alanya Alaaddin Keykubat University Ministry of Agriculture and Forestry</i>	INVESTIGATION OF DROUGHT EFFECT OF METEOROLOGICAL AND FIELD DATA USING GOOGLE EARTH ENGINE AND EARTH OBSERVATION TECHNOLOGIES: ALANYA CASE
Agit Ferhat Özel Gamze Turun	<i>Altınbaş University Yıldız Technical University</i>	SUSTAINABLE EDUCATION MATERIALS
Tomasz Piotrowski	<i>Brostyma Company, Poland</i>	COOPERATION OF BIOSTYMA COMPANY WITH THE BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

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**25.10.2024 SESSION VI POSTERS
HALL - ANATOLIA ROOM**



Ankara Local Time: 18:00 – 19:00

POSTER PRESENTATIONS

HEAD OF SESSION: Krzysztof Buczkowski - Ulas Senygit

18:30 session's summary, presence of the Authors is mandatory

Posters in pptx format will be displayed throughout the Congress days in the Anatolia room

Anna Figas Roman Rolbiecki Stanisław Rolbiecki Barbara Jagosz Ariel Łangowski Hicran Sadan Ferenc Pal-Fam Atilgan Atilgan	<i>Bydgoszcz University of Science and Technology University of Agriculture in Krakow Hungarian University of Agriculture and Life Sciences Alanya Alaaddin Keykubat University</i>	RESOURCE-EFFICIENT IRRIGATION MANAGEMENT OF SILPHIUM PERFOLIATUM L. FOR ENERGY PRODUCTION: WATER NEEDS AND RAINFALL DEFICITS
Krystian Obolewski	<i>Kazimierz Wielki University</i>	ARTIFICIAL INTELLIGENCE IN ORGANISM IDENTIFICATION AS A NEXT-GENERATION BIOMONITORING TOOL
Anna Figas Stanisław Rolbiecki Roman Rolbiecki Barbara Jagosz Anna Krakowiak-Bal Atilgan Atilgan	<i>Bydgoszcz University of Science and Technology University of Agriculture in Krakow Alanya Alaaddin Keykubat University</i>	IMPACT OF CULTIVATION CONDITIONS ON ENERGY PROPERTIES OF CUP PLANT SILPHIUM PERFOLIATUM L.- POLAND CASE STUDY
Anna Baryła Agnieszka Karczmarczyk Agnieszka Bus	<i>Warsaw University of Life Sciences (SGGW)</i>	HOW GREEN ROOFS CAN HELP COOL CITIES
Monika Marković Marko Josipović Željko Barač Danijel Jug Atilgan Atilgan	<i>Josip Juraj Strossmayer University of Osijek Agricultural Institute Osijek, Department for Agricultural Technique and Amelioration Alanya Alaaddin Keykubat University</i>	THE IRRIGATION WATER REQUIREMENTS OF THE MAIN SUMMER CROPS IN THE CONTINENTAL REGION OF THE REPUBLIC OF CROATIA
Péter Streb János Nagy Éva Horváth Adrienn Széles	<i>University of Debrecen</i>	ANALYSIS OF AGRICULTURAL LAND USE OF HUNGARY (2000–2020)
S.H.S.R. Silva L.S.B. Dhanapala M.H.J.P. Gunarthna G.Y. Jayasinghe	<i>Rajarata University of Sri Lanka</i>	MODELING HYDROLOGICAL PARAMETERS USING SOIL AND WATER ASSESSMENT TOOL (SWAT) IN THE NILWALA RIVER BASIN OF SRI LANKA
Jędrzejczyk Iwona Rewers Monika Łojko Agnieszka	<i>Bydgoszcz University of Science and Technology</i>	GENOME SIZE DIVERSITY OF THE SELECTED PHACELIA SPECIES
Péter Balogh László Huzsvai Csaba Juhász Péter Czine	<i>University of Debrecen</i>	CONSUMER PREFERENCES FOR CULTURED PORK MEAT: A COMPARATIVE STUDY OF CZECH AND HUNGARIAN MARKETS

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László Huzsvai Péter Balogh Csaba Juhász Péter Czine	University of Debrecen	INVESTIGATING HUNGARIAN FARMERS' PREFERENCES TOWARDS SPRAYING DRONES
Péter Czine Zsanett Blága Péter Balogh Béla Juhász	University of Debrecen University Pharmacy	EXAMINATION OF PREFERENCES FOR VACCINES - A HYBRID CHOICE APPROACH
Agnieszka Karczmarczyk Anna Baryła	Warsaw University of Life Sciences	RETHINKING GREEN ROOF DESIGN
Željko Barač Monika Marković Tomislav Jurić Ivan Plaščak Atilgan Atilgan	Josip Juraj Strossmayer University of Osijek Alanya Alaaddin Keykubat University	NEGATIVE IMPACT ON THE OPERATOR'S HEALTH FROM THE ASPECT OF ENVIRONMENTAL POLLUTION
Piotr Prus Małgorzata Szczepanek Dariusz Pańka	Bydgoszcz University of Science and Technology	THE ROLE OF INNOVATION IN ADAPTING AGRICULTURE TO CHANGES IN THE AGRIBUSINESS SECTOR
Mirjana Zorić Tatjana Veselinović Gordana Mrdak Vladimir Sabadoš	Agriculture Extension Service "Sombor"	TESTING THE EFFECTIVENESS OF HERBICIDES APPLIED TO THE SUNFLOWER CROP
Tamás Rátonyi Tamás András Péter Fejér Éva Horváth Adrienn Kakuszi-Széles Péter Ragán Csaba Bojtor Árpád Illés Csaba Juhász Enikő Somogyi Endre Harsányi	University of Debrecen	EVALUATION OF SOIL MOISTURE DYNAMICS IN A LONG-TERM FIELD EXPERIMENT SET UP ON CHERNOZEM SOIL
Jacek Frasz	Władysław Biegański Regional Specialist Hospital	AN INCREASE IN THE NUMBER OF REVISIONAL BARIATRIC SURGERIES
Anita Woźny Patrik Czerwiński	Bydgoszcz University of Science and Technology	THE THERAPEUTIC IMPORTANCE OF GREENERY IN THE HUMAN ENVIRONMENT
Mateusz Malinowski Zuzanna Basak Tomasz Jakubowski Atilgan Atilgan	University of Agriculture in Krakow Alanya Alaaddin Keykubat University	ANALYSIS OF THE HYBRID DRYING PROCESS OF APPLE POMACE
Vytaute Juodkiene Irena Tulabiene	Kauno kolegija Higher Education Institution	RESEARCH AND DIGITAL MODELLING OF ENVIRONMENTAL NOISE
Anetta Siwik-Ziomek Renata Kuśmierk-Tomaszewska	Bydgoszcz University of Sciences and Technology	RESPONSES OF SOIL ENZYMES TO SPRINKLER IRRIGATION AND DIFFERENTIATED NITROGEN FERTILIZATION IN BARLEY CULTIVATION
Jelena Ivan Zoran Boca Olivera Sekulić Vladimir Sabadoš	Agriculture Extension Service "Sombor"	THE EFFECTS OF AGRICULTURAL PRACTICES ON SOYBEAN YIELD IN SOMBOR REGION IN SERBIA IN 2014 – 2023 PERIOD
Jacek Leśny Beata Olszewska Monika Panfil	Wrocław University of Environmental and Life Sciences Local Education Authority Wrocław	COULD THE LOCAL WATER PARTNERSHIP IN LOWER SILESIA MITIGATE THE EFFECTS OF THE FLOOD IN 2024?

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Roman Rolbiecki Krzysztof Buczkowski Arkadiusz Migdalski Jacek Frasz Michał Miszewski Jacek Wróbel Piotr Dunał	<i>Bydgoszcz University of Science and Technology L. Rydygier Collegium Medicum in Bydgoszcz Regional Specialist Hospital 'Lombard' Jack Sparrow Company</i>	CURRENT CHALLENGES OF SUSTAINABLE DEVELOPMENT IN HUMAN ENVIRONMENT- POLAND CASE STUDY
Olivera Sekulić Vladimir Sabadoš Danijela Žunić Jelena Ivan Zoran Boca	<i>Agriculture Extension Service "Sombor"</i>	THE IMPORTANCE OF OLD VARIETIES IN CONDITIONS OF CLIMATE CHANGE
Anna Krakowiak-Bal Dorota Lech	<i>University of Agriculture in Krakow</i>	IMPACT OF TRANSPORT ACCESSIBILITY ON THE RURAL DEVELOPMENT- CASE STUDY FROM POLAND
Joanna Kocięcka Daniel Liberacki Piotr Stachowski Michał Napierała	<i>Poznań University of Life Sciences</i>	GREEN ROOFS AS A SOLUTION FOR RAINWATER RETENTION IN URBAN AREAS
Aleksandra Rolbiecka	<i>LPP Scotland</i>	THE MOST COMMON MISTAKES IN WRITING RESEARCH ARTICLES IN ENVIRONMENTAL AND HEALTH STUDIES
Ali Çaylı Duran Güleç Fatma Akpınar	<i>Kahramanmaraş Sütçü İmam University</i>	EFFECTS OF CLIMATIC CONDITIONS ON BROILERS: A COMPREHENSIVE REVIEW OF THERMAL MANAGEMENT AND PRODUCTION PERFORMANCE
Vladimir Sabadoš Danijela Žunić	<i>Agriculture Extension Service "Sombor"</i>	VALUE OF pH REACTION AGRICULTURE LAND IN SOMBOR REGION IN SERBIA
Rewers Monika Gierwatowska Julia Jędrzejczyk Iwona	<i>Bydgoszcz University of Science and Technology</i>	THE EFFECT OF MELATONIN ON POLYSOMATIC AND NON-POLYSOMATIC SEEDS GERMINATION
Anna Goździejewska Katarzyna Glińska-Lewczuk Marek Kruk Ireneusz Cymes	<i>University of Warmia and Mazury in Olsztyn</i>	ZOOPLANKTON- A ROBUST INDICATOR OF LAND USE IN A RIVER CATCHMENT
Dawid Mazur	<i>Bydgoszcz University of Science and Technology</i>	FUTURE OF PHOTOVOLTAICS
Justyna Bauza-Kaszewska Barbara Breza-Boruta Jakub Biesek	<i>Bydgoszcz University of Science and Technology</i>	ALUMINOSILICATES APPLICATION AS A METHOD OF DRY SANITISATION OF LITTER IN SLAUGHTER CHICKEN PRODUCTION
Jakub Frasz	<i>Nicolaus Copernicus University in Toruń</i>	THE MOST COMMON INJURIES IN MIXED MARTIAL ARTS AND THEIR CONSEQUENCES
Piotr Ignaczak	<i>Department of Rheumatology and Connective Tissue Diseases, Jan Bizioł University Hospital No. 2 in Bydgoszcz and Intercor Medical Center</i>	(MULTI) VITAMIN D. MULTI-ORGAN EFFECTS OF VITAMIN D AND THE ROLE OF SUPPLEMENTING ITS DEFICIENCY IN HUMANS
Krzysztof Buczkowski Elwira Piszczek Agnieszka Buczkowska Arkadiusz Migdalski Sandra Janiak	<i>Nicolaus Copernicus University Poznan University of Medical Sciences</i>	FACTORS RELATED TO PARENTAL VACCINE HESITANCY- QUALITATIVE STUDY
Krzysztof Kwaśniewski Arkadiusz Migdalski	<i>Department of Vascular Surgery and Angiology, Nicolaus Copernicus University in Toruń, Poland</i>	D-DIMER-TO-FIBRINOGEN-RATIO IN PATIENTS WITH SYMPTOMATIC AND ASYMPTOMATIC CAROTID STENOSIS

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		UNDERGOING CAROTID ENDARTERECTOMY OR STENTING
Maciej Kawczyński Klaudia Górnostaj Joanna Olejnik-Wojciechowska Joanna Wielopolska Katarzyna Radomska Elżbieta Petriczko	<i>Department of Otolaryngology for Adults and Children and Otolaryngological Oncology, Pomeranian Medical University, Szczecin,</i> <i>Department of Pediatrics, Endocrinology, Diabetology, Metabolic Disorders and Cardiology of the Developmental Age, Pomeranian Medical University, Szczecin,</i>	INTERDISCIPLINARY MANAGEMENT OF LIFE-THREATENING SEVERE OBESITY IN CHILDREN
Joanna Kocięcka Atılğan Atılğan Teerachai Amnuaylojaroen Mariusz Ptak Nefise Yasemin Tezcan Mariusz Sojka	<i>Poznań University of Life Sciences,</i> <i>Alanya Alaaddin Keykubat University</i> <i>University of Phayao</i> <i>Adam Mickiewicz University</i> <i>Akdeniz University</i>	PAST CHANGES AND FUTURE PREDICTIONS HEAT WAVES (POLAND AND TURKEY CASE STUDY)
Adam Rolbiecki	<i>Bydgoszcz University of Science and Technology</i>	DETECTION AND ANALYSIS OF EMOTIONS BASED ON FACIAL EXPRESSIONS USING A MOBILE APPLICATION
Stanisław Rolbiecki Roman Rolbiecki Barbara Jagosz Wiesława Kasperska-Wołowicz Ewa Kanecka-Geszke Hicran Sadan-Ozdemir Ariel Łangowski Małgorzata Szczepanek Renata Kuśmierk-Tomaszewska Jacek Żarski Sławomir Sositko	<i>Bydgoszcz University of Science and Technology in Bydgoszcz,</i> <i>University of Agriculture in Krakow</i> <i>Poland Institute of Technology and Life Sciences</i>	THE INFLUENCE OF CLIMATE CHANGE ON WATER REQUIREMENTS IN THE CULTIVATION OF CUCURBITA PEPO L. IN CENTRAL POLAND
Urszula Ziemiańczyk	<i>University of Agriculture in Krakow</i>	EXPLORING THE WELL-BEING NEEDS: A PERMA MODEL APPROACH
Mohamed Ragab Abdel Gawwad Ibrahim	<i>International University of Sarajevo</i>	A COMPREHENSIVE STUDY ON CLIMATE CHANGE IN BOSNIA AND HERZEGOVINA

**2nd INTERNATIONAL CONGRESS ON SUSTAINABLE DEVELOPMENT IN THE
HUMAN ENVIRONMENT- CURRENT AND FUTURE CHALLENGES**

October 23-26, 2024 – Antalya, TÜRKİYE

**25.10.2024 Farewell evening
HALL - CRYSTAL BALL ROOM**



Ankara Local Time: 19:00

**26.10.2024
Study tour**



Ankara Local Time: 10:00