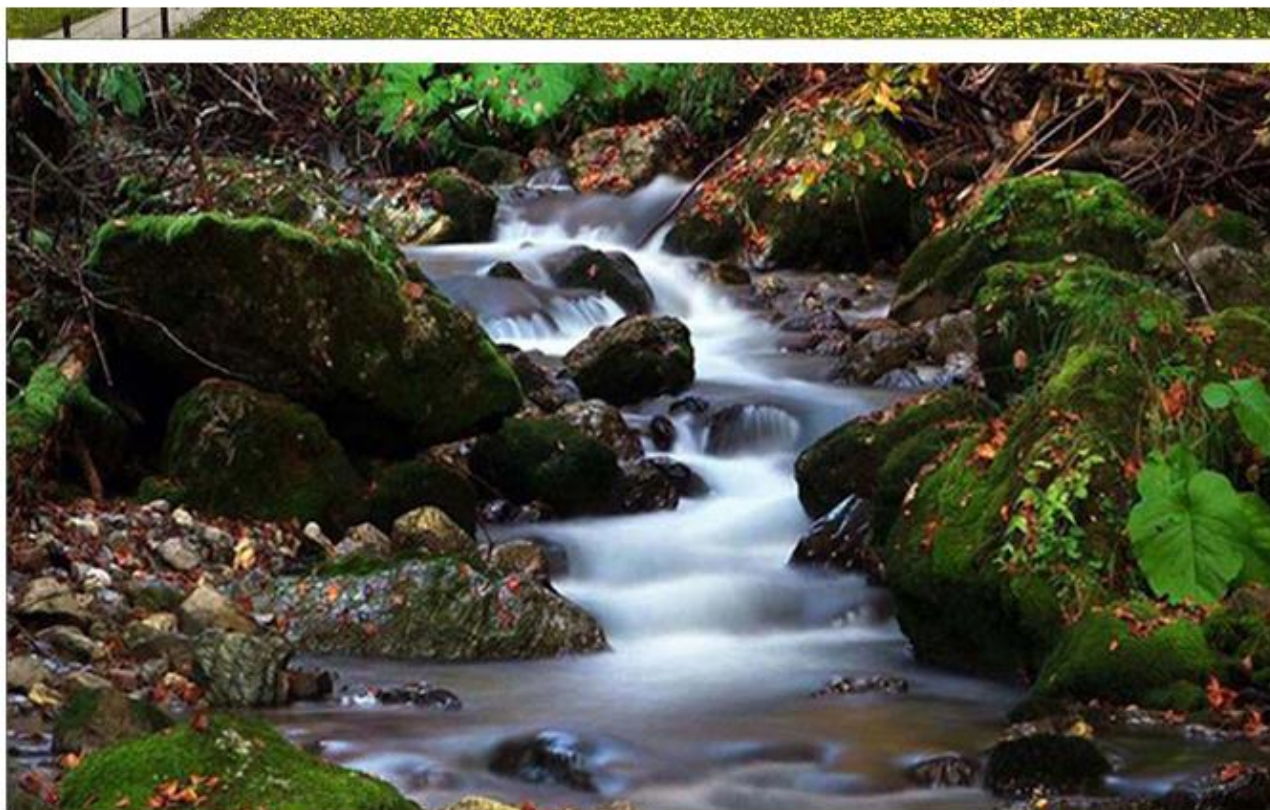




**GEA (Geo Eco-Eco Agro)**  
**University of Montenegro**  
28 May 2020, Podgorica, Montenegro



**GEA (Geo Eco-Eco Agro)**  
**International Conference**  
**Conference Program**



**Podgorica, Montenegro, 2020**

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GEA (Geo Eco-Eco Agro) International Conference – Conference Program  
28-29 May 2020, Podgorica, Montenegro

## CONFERENCE PROGRAM

**GEA (Geo Eco-Eco Agro), Podgorica, Montenegro**

**University of Montenegro, Faculty of Philosophy, Geography, Niksic, Montenegro**

**University of Montenegro, Faculty of Architecture, Podgorica, Montenegro**

**University of Montenegro, Biotechnical Faculty, Podgorica, Bar, Bijelo Polje, Montenegro**  
**And**

**The World Association of Soil and Water Conservation (WASWAC)**

**Balkan Environmental Association (B.EN.A.)**

**Balkan Scientific Association of Agricultural Economists (BSAAE)**

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## FOREWORD

International GEA (Geo Eco-Eco Agro) Conference is envisaged as an event during which researchers from the areas of Geosciences, Ecology-Economy and Agriculture, as well as from areas of Eco-Architecture and Rural Architecture, are presenting their research work to each other. The Conference aims to be a meeting point for international scientific discussion on various subjects of these sciences. The team of the International GEA (Geo Eco-Eco Agro) Conference is striving to bring together research and practices. The idea is to establish new bridges between researchers from the Region and wider; to meet each other and to stay connected.

At the end of May 2020 we would like to present the research results among colleagues on formal sessions and in informal communication on the adaptation and resilience to the impacts of climate change and on bringing closer natural resource management with agriculture, forestry, economics and ecology.

The young researchers will have a possibility to learn and to create networks and to participate in discussions. We will also offer them a possibility to present their student papers in the special session for promising young researchers.

This international conference will make all the participants a known name in academic circles of our Region, confirming at the same time that they are active members of the academic community. It gives them also the chance of listening to different points of view and learning new ideas and trends in selected field in a different environment.

All submitted Abstracts are peer-reviewed and presented in the Book of Abstracts (with CIP, ISBN, COBISS.CG-ID). Full texts of papers will be presented in the Book of Proceedings (with CIP, ISBN, COBISS.CG-ID). Both books will be available online at the Conference web Code: [www.gea.ucg.ac.me](http://www.gea.ucg.ac.me)

We hope that most of us, who participated at the GEA International (Geo Eco-Eco Agro) Conference, 28-31 May 2020, Montenegro, will come the next years to take the part at the GEA International (Geo Eco-Eco Agro) Conference, on the end of May again and again here in Montenegro and in the other meeting points where the co-organisers of this Conference decide together.

Velibor SPALEVIC



President of the Scientific Committee

Faculty of Philosophy, Geography

University of Montenegro

## PREDGOVOR

Međunarodna GEA (Geo Eco-Eco Agro) konferencija zamišljena je kao događaj na kojem će istraživači iz oblasti geonauka, ekologije, ekonomije i poljoprivrede, kao i područja eko-arhitekture i ruralne arhitekture, predstaviti svoje radove. Cilj konferencije je da bude mjesto susreta jednog broja naučnika iz gotovo cijelog svijeta koji će razmjenjivati iskustva, mišljenja i ideje o temama koje će biti predmet rada konferencije. Tim Međunarodne GEA (Geo Eco-Eco Agro) konferencije nastoji objedniti istraživanja i prakse. Ideja je uspostavljanje novih mostova između istraživača iz regiona i šire; da se upoznaju i ostanu povezani.

Na kraju maja 2020. godine želimo predstaviti rezultate istraživanja među kolegama na formalnim sastancima i u neformalnoj komunikaciji, ali i o aktuelnoj inicijativi prilagođavanja i otpornosti na uticaje klimatskih promjena i približavanju upravljanja prirodnim resursima sa poljoprivredom, šumarstvom, ekonomijom i ekologijom.

Mladi istraživači regije imaju mogućnost sticanja novih znanja, iskustva, umrežavanja i učešća u diskusijama. Pružićemo im mogućnost prezentacije svojih studentskih radova na posebnoj sesiji za mlade istraživače.

Ova međunarodna konferencija učiniće sve učesnike poznatijim imenom u akademskim krugovima naše regije, potvrdivši istovremeno da su sami aktivni članovi akademske zajednice. Pruža se prilika za upoznavanje sa različitim gledištima i stavovima, kao i za upoznavanje sa novim idejama i praćenje aktuelnih trendova u jednom drugačijem okruženju od onoga koje imamo svakodnevno.

Svi predati sažeci su recenzirani (od strane po dva recenzenta) i predstavljeni u Knjizi sažetaka (sa CIP, ISBN, COBISS.CG-ID). Radovi u cjelini biće publikovani u Zborniku radova (sa CIP, ISBN, COBISS.CG-ID). Obje će knjige biti dostupne putem Interneta na web stranici konferencije: [www.gea.ucg.ac.me](http://www.gea.ucg.ac.me)

Nadamo se da će većina nas, koji smo učestvovali u pripremi, te izložili radove na međunarodnoj GEA (Geo Eko-Eko Agro) konferenciji, 28. i 31. maja 2020. godine, doći i narednih godina; učestvovati na nekoj novoj GEA (Geo Eko-Eko Agro) međunarodnoj konferenciji, ponovo s kraja maja ovdje u Crnoj Gori, te na drugim adresama na kojima bude dogovoreno sa koorganizatorima ovog međunarodnog skupa.

Velibor SPALEVIC



Predsjednik Naučnog odbora Konferencije  
Filozofski fakultet, Geografija  
Univerzitet Crne Gore

# **Program of the GEA (Geo Eco-Eco Agro) International Conference 28-29 May 2020 Podgorica, Montenegro**

**Thursday, 28 May 2020, from 10h00 to 18h00**

Rectorate of the University of Montenegro, Podgorica, Montenegro

## **ONLINE OPENING CEREMONY**

**Thursday, 28 May 2020, Session from 10h00 to 11h00**

**Velibor SPALEVIC**, President of the GEA Conference Scientific Committee

**Introductory words**

**Speaker 1: Prof. dr Danilo NIKOLIC, Rector, University of Montenegro**

President of the GEA Conference Honorary Committee, Montenegro

**Speaker 2: dr Sanja DAMJANOVIC, Minister**

Ministry of Science, Government of Montenegro, Montenegro

**Speaker 3: dr Aleksandar BOGDANOVIC, Minister**

Ministry of Culture, Government of Montenegro, Montenegro

**Speaker 4: Prof. dr Sanja RADONJIC**

President of the GEA Conference Organising Committee

**Speaker 5: Vanja BOSKOVIC**

President of the GEA Young Scientists Committee

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**Short break with photo session of participants**

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**Speaker 6: Prof. Miodrag D. ZLATIĆ, Dr. Sc. (Online)**

Immediate Past President and Deputy President of World Association of Soil and Water Conservation  
- WASWAC

**Speaker 7: CSI Dr. Mariana GOLUMBEANU (Online)**

Vice President of the Balkan Environmental Association (B.EN.A.),

**Speaker 8: Prof. Dr. Seyed Hamidreza SADEGHI (Online)**

Deputy President of World Association of Soil and Water Conservation - WASWAC

President, Watershed Management Society of Iran

Professor, Department of Watershed Management Engineering, Faculty of Natural Resources, Tarbiat  
Modares University (TMU)

**Speaker 9: Prof. Dr. Radovan PEJANOVIC (Online)**

Balkan Scientific Association of Agricultural Economists (BSAAE)

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**Coffee break**

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**Thursday, 28 May 2020, from 11h00**

**PLENARY PRESENTATIONS**

Rectorate of the University of Montenegro, Podgorica, Montenegro

**KEYNOTE / ACADEMIC CHAMPIONS, KEYNOTE SPEAKERS**

**SESSION GEO – ECO (LAND DEGRADATION, WATERSHED MANAGEMENT, SUSTAINABILITY)**

**Chairpersons: Velibor SPALEVIC, FF; Goran SKATARIC, National Parks of Montenegro**

Rectorate of the University of Montenegro, Podgorica, Montenegro

**Online Chairpersons: Patrick Ken KALONDE**

Youth for Environmental Development, Lilongwe, Malawi

**Online Chairpersons: Guilherme Henrique Expedito LENSE**

Federal University of Alfenas, Minas Gerais, Brazil

**GULLY AND WATERWAY EROSION IN ETHIOPIAN HIGHLANDS**

Mesenbet YIBELTALAB, Paolo BILLI, Atsushi TSUNEKAWA,

Nigussie HAREGEWEYN

[Code 033]

**LAND DEGRADATION MANAGEMENT THROUGH WATERSHED HEALTH ASSESSMENT**

Seyed HAMIDREZA SADEGHI

[Code 034]

**SOIL MANAGEMENT FOR SUSTAINABILITY: PRESENT AND FUTURE NECESSITY**

Miodrag ZLATIĆ

[Code 035]

**GLOBAL DISTRIBUTION OF 137CS AND 210PB EXCESS IN THE REFERENCE SOIL DUE TO ANNUAL PRECIPITATION AND LATITUDINAL ZONING**

Abdulvahed KHALEDI DARVISHAN, Fatemeh SEDIGHI, Valentin GOLOSOV,

Mohamad REZA ZARE

[Code 040]

**”ESTUARIZATION” OF SMALL DELTAS ALONG THE ITALIAN COASTLINE (ADRIATIC, TYRRHENIAN AND IONIAN SEA): A SYMPTOM OF IMPOVERISHED SEDIMENT SUPPLY**

Paolo CIAVOLA, Clara ARMAROLI, Paolo BILLI

[Code 046]

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**Discussion, communication between participants and speakers**

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**FRIDAY, 29 MAY 2020, FROM 09h00 TO 18h00**

Rectorate of the University of Montenegro, Podgorica, Montenegro

**KEYNOTE / PROMISING YOUNG SCIENTISTS**

**Friday, 28 May 2020, from 09h00**

**Chairpersons: Velibor SPALEVIC, FF; Goran SKATARIC, National Parks of Montenegro**

Rectorate of the University of Montenegro, Podgorica, Montenegro

**Online Chairpersons: Zeinab HAZBAVI**

Faculty of Agriculture and Natural Resources, Member of Water Management Research Center,  
University of Mohaghegh Ardabili, Iran

**Online Chairpersons: Livia NISTOR-LOPATENCO**

Dean of the Faculty of Constructions, Geodesy and Cadastre, Technical University of Moldova,  
Moldova

**APPLICATION OF INTERO MODEL FOR STUDYING SOIL EROSION PROCESSES AND  
PEAK DISCHARGE IN THE WESTERN RIF REGION, MOROCCO, NORTH AFRICA**

**Abdessalam OUALLALI, Habiba AASSOUMI, Mohamed MOUKHCHANE,**

**Velibor SPALEVIC and Saskia KEESSTRA**

**[Code 053]**

**UP-TO-DATE ASSESSMENT FROM SOIL EROSION OF NORTHWESTERN IRAN**

**Zeinab HAZBAVI, Elham AZIZI, Zahra SHARIFI, Nazila ALAEI,**

**Raouf MOSTAFAZADEH, Morteza BEHZADFAR, Velibor SPALEVIC**

**[Code 128]**

**LAND USE DISTRIBUTION IN RELATION TO SOIL EROSION VULNERABILITY IN  
HIMALAYAN SUB WATERSHEDS**

**Shachi PANDEY**

**[Code 052]**

**ASSESSING THE IMPACTS OF LAND COVER CHANGE**

**IN SOIL EROSION RISK IN THE NEPAL HIMALAYAS**

**Devraj CHALISE, Lalit KUMAR**

**[Code 054]**

**EVALUATING THE IMPACT OF LAND USE LAND COVER CHANGE ON SOIL LOSS  
AND SEDIMENT DELIVERY RATIO ACROSS THE WEST RAPTI RIVER BASIN, NEPAL**

**Rocky TALCHABHADEL, Hajime NAKAGAWA, Kenji KAWAIKE,**

**Kazuki YAMANOI, and Rajaram PRAJAPATI**

**[Code 055]**

**RARE EARTH ELEMENTS TRACING INTERRILL EROSION PROCESSES AS  
AFFECTED BY NEAR-SURFACE HYDRAULIC GRADIENTS**

**Bin WANG, Chenfeng WANG**

**[Code 050]**

**THE USE OF UAV SYSTEMS IN CADASTRAL SURVEYING AND  
TECHNICAL DOCUMENTATIONS**

**Paul SESTRAS**

**[Code 051]**

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**Discussion, communication between participants and speakers**

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## **ORAL PRESENTATIONS**

**Friday, 28 May 2020, from 11h00**

**Chairpersons: Velibor SPALEVIC, FF; Goran SKATARIC, National Parks of Montenegro**

Rectorate of the University of Montenegro, Podgorica, Montenegro

**Online Chairpersons: Milic CUROVIC**

Editor in Chief, Journal Agriculture and Forestry,

Biotechnical Faculty, University of Montenegro, Montenegro

**Online Chairpersons: Walter FINSINGER**

Université de Montpellier, Institut des Sciences de l'Évolution Montpellier, France

**VIRUSES OF SOUR CHERRY cv. MARASKA IN PLANTATION ,VLAČINE', CROATIA**

**Josip RAZOV, Silvio ŠIMON and Darko VONČINA**

**[Code 051]**

**ANALYSIS OF GENETIC VARIATION IN BREAD WHEAT BY GRAIN YIELD COMPONENTS**

**Doriana (BODE) XHULAJ and Belul GIXHARI**

**[Code 160]**

**ECONOMIC ASPECTS OF UAV APPLICATION IN CHANGES DETECTION MONITORING**

**Zvonimir NEVISTIĆ, Zeljko BAČIĆ**

**[Code 259]**

**REDUCING GAP BETWEEN BUSINESS AND ACADEMIA IN INTRODUCING MODERN TECHNOLOGIES – GEOBIZ PROJECT APPROACH**

**Zeljko BACIC, Vesna POSLONCEC-PETRIC and Zvonimir NEVISTIC**

**[Code 260]**

**ANALYSIS OF LAND SURFACE TEMPERATURE AT SARAJEVO REGION USING LANDSAT 8 DATA**

**Branislav DRAŠKOVIĆ, Boban MILETIĆ and Marko GUTALJ**

**[Code 140]**

**INTEGRATIVE APPROACH TO PROTECTING CULTURAL HERITAGE IN MONTENEGRO**

**Andrija VUKSANOVIĆ**

**[Code 222]**

**URBAN SOLUTION OF BOAN (ŠAVNIK MUNICIPALITY, MONTENEGRO) IN FUNCTION OF AGRICULTURAL ACTIVATION**

**Miloš VUJISIĆ, Andrija VUKSANOVIĆ, Marko VUJISIĆ**

**[Code 225]**

**UNDERSTANDING THE FUNCTION STATE OF THE KOOZEHTOPRAGHI WATERSHED, IRAN**

**Zeinab HAZBAVI, Nahideh PARCHAMI, Nazila ALAEI, Leyla BABAEI**

**[Code 129]**

**INVENTORY OF WATER AND NATURAL GAS INFRASTRUCTURE IN THE RURAL LOCALITY AND CREATION OF GIS DATABASE**

**Andrei IACOVLEV, Livia NISTOR-LOPATENCO**

**[Code 164]**

**CHANGES OF ECOSYSTEM HEALTH PRESSURES IN THE KOZEHTOPRAGHI WATERSHED, NW IRAN**

**Zeinab HAZBAVI, Nazila ALAEI, Leyla BABAEI, Nahideh PARCHAMI**

**[Code 130]**

**LIQUIFIED NATURAL GAS - FUEL OF THE FUTURE WITH ADVANTAGES, BENEFITS AND SPECIFIC HAZARDOUS POTENTIAL**

**Aleksandra ALEKSIĆ, Radoslav MIĆIĆ and Jasna TOLMAČ**

**[Code 263]**

**DIVERSITY OF LOCAL GENETIC RESOURCES OF ‘Castanea sativa Mill.’ IN NORTHERN MOROCCO: INTERACTIONS BETWEEN AGROMORPHOLOGICAL DIVERSITY AND PEASANT PRACTICES**

**Ihssane TOUJGANI, Salama ELFATEHI, Hakima ELMARAGHI, Mohammed ATER and Younes HMIMSA**

**[Code 141]**

**ANALYSIS OF THE FRACTURING, FOLDING AND ASSOCIATED TECTONIC STRUCTURES IN THE HERCYNIAN MASSIF OF MOULAY BOUAZZA (WESTERN MESETA, MOROCCO)**

**Ammar OUDY, Hassane OUAZZANI**

**[Code 182]**

**WHAT IS THE SMART WATERSHED MANAGEMENT?**

**Mahin KALEHHOUEI and Zeinab HAZBAVI**

**[Code 077]**

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**Discussion, communication between participants and speakers**

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## **POSTER SESSIONS**

**Friday, 29 May 2020, from 14h00 to 16h00**

Rectorate of the University of Montenegro, Podgorica, Montenegro

### **SESSION A**

Chairpersons: Velibor SPALEVIC, FF; Goran SKATARIC, National Parks of Montenegro

Chairpersons: Svetislav G. POPOVIC, AF; Vanja BOSKOVIC, Young Scientist

Rectorate of the University of Montenegro, Podgorica, Montenegro

Online Chairpersons: Tihomir FLORIJANCIC

University of Osijek, Faculty of Agriculture, Croatia

Online Chairpersons: Vera POPOVIC

Institute of Field and Vegetable Crops, Novi Sad, Serbia

**Poster Sessions opening at 14h00**

**BREEDING STRATEGIES TO IMPROVE SMALL GRAIN**

**CEREALS TOLERANCE TO DROUGHT**

Novo PRZULJ, Zoran JOVOVIC, Ana VELIMIROVIC [Poster Code 039]

**WATER EROSION AND SOIL ORGANIC MATTER LOSS IN A COFFEE ORGANIC FARM**

Guilherme HENRIQUE EXPEDITO LENSE, Rodrigo Santos MOREIRA,

Fernanda Almeida BÓCOLI, Taya CRISTO PARREIRAS, Alexandre ELIAS DE MIRANDA

TEODORO, Velibor SPALEVIC, Ronaldo LUIZ MINCATO [Poster Code 041]

**CLIMATE CHANGE AND SUSTAINABLE AGRICULTURAL DEVELOPMENT**

El-Gayar ATTIA AHMED MANSOUR [Poster Code 043]

**ENVIRONMENTAL MODELLING AND COMPUTER-GRAPHIC SIMULATION FOR THE**

**ANALYSIS OF PHYSICAL-GEOGRAPHICAL CHARACTERISTICS OF WATERSHEDS:**

**CASE STUDY ZIM POTOK, MONTENEGRO**

Amela DRLJAN, Velibor SPALEVIC, Goran BAROVIC, Dusko VUJACIC, Veljko

MARTINOVIC, Veljko SINANOVIC, Zeinab HAZBAVI, Abdulvahed KHALEDI

DARVISHAN [Poster Code 056]

**SOIL EROSION MODELLING USING THE WINTERO MODEL: CASE**

**STUDY RIVER BASIN PISEVSKA RIJEKA, POLIMLJE, MONTENEGRO**

Marko DRASKOVIC, Paul SESTRAS, Ronaldo Luiz MINCATO,

Frederico MARANGON, Goran SKATARIC, Ataollah KAVIAN,

Leila GHOLAMI, Vjekoslav TANASKOVIC [Poster Code 061]

**BIODIVERSITY OF SUBTERRANEAN WATERS: REDESCRIPTION OF POORLY KNOWN**

**Niphargus julius Stoch 1997 (CRUSTACEA: AMPHIPODA: NIPHARGIDAE) FROM ITALY**

Gordan S. KARAMAN [Poster Code 063]

**DIVERSITY ON PHYSICOCHEMICAL CHARACTERISTICS OF WILD APRICOTS FROM**

**INNER ANATOLIA OF TURKEY**

Sezai ERCISLI [Poster Code 064]

DIVERSITY ON HORTICULTURAL CHARACTERISTICS OF *Sambucus nigra* GENOTYPES FROM NORTHEASTERN TURKEY

Gulce ILHAN, Sezai ERCISLI [Poster Code 066]

DIVERSITY ON CAROTENOIDS IN WILD APRICOT FRUITS

Neva KARATAS, Sezai ERCISLI [Poster Code 068]

STUBBLE BURNING WHICH MAY BE THE CAUSE OF WILDFIRES AND RELATED LEGAL REGULATIONS IN TURKEY

Tugrul YAKUPOGLU, Turgay DINDAROGLU, Jesus RODRIGO-COMINO, Artemi CERDA [Poster Code 069]

STRUCTURAL CHARACTERISTICS OF THE SPRUCE – FIR - BEECH FORESTS: CASE STUDY - MOUNTAIN BJELASICA, MONTENEGRO

Milic CUROVIC, Aleksandar STIJOVIC, Velibor SPALEVIC, Branislav DUDIC, Goran SKATARIC [Poster Code 070]

PREVALENCE OF PHOMOPSIS CANE AND LEAF SPOT IN THE VINEYARDS OF DANILOVGRAD MUNICIPALITY

Nemanja BUKILIC, Jelena LATINOVIC, Tatjana POPOVIC and Nedeljko LATINOVIC [Poster Code 072]

SOME LIVERWORT EXTRACTS SUPPRESS DEVELOPMENT OF BROWN ROT CAUSED BY MONILINIA LAXA

Jelena LATINOVIC, Marko SABOVLJEVIC, Milorad VUJICIC, Nedeljko LATINOVIC and Aneta SABOVLJEVIC. [Poster Code 073]

APPLICATION OF MOLECULAR BIOLOGY TOOLS FOR EFFICIENT AND SCIENCE-BASED MICROBIAL RISK ASSESSMENT IN FOOD SAFETY AREA

Aleksandra MARTINOVIC. [Poster Code 074]

ORGANIC POMEGRANATE ORCHARD ESTABLISHMENT AND MANAGEMENT

Feryal VARASTEY. [Poster Code 075]

EFFECT OF PHOSPHORUS FERTILIZATION ON MICROELEMENTS CONTENT IN LETTUCE

Marko PETEK, Mija KUZIR, Tomislav KARAZIJA, Mihaela SATVAR and Sanja RADMAN [Poster Code 076]

IDENTIFICATION OF GROUND WATER POTENTIAL ZONES AND DRAINAGE BASINS FOR SURFACE WATER IDENTIFICATION USING REMOTE SENSING IN SRBC AREA OF KURNOOL REGION, ANDHRA PRADESH, INDIA

Pushan KUMAR DUTTA [Poster Code 078]

CHANGES IN PHYSICO-CHEMICAL CHARACTERISTICS OF BEATEN CHEESE  
DURING MANUFACTURE

Ljubica TRAJKOSKA, Angela NIKOLOSKA, Biljana TRAJKOVSKA,  
Ljupce KOCOSKI [Poster Code 079]

EFFECT OF LONG-TERM APPLICATION OF MINERAL FERTILIZERS ON SOIL

Nikola KOKOVIC, Elmira SALJNIKOVA, Marina JOVKOVIC, Zoran DINIC,  
Biljana SIKIRIC, Vesna MRVIC [Poster Code 080]

INFLUENCE OF SOIL TILLAGE SYSTEMS AND WEED CONTROL STRATEGIES ON  
SOYBEAN PRODUCTION UNDER CONDITIONS OF THE TRANSYLVANIAN PLAIN,  
ROMANIA

Teodor RUSU, Paula Ioana MORARU, Camelia URDĂ, Felicia MUREȘANU [Poster Code  
081]

REAL-TIME MEASUREMENTS AND ANALYSIS OF  
AIR POLLUTION PARAMETERS

Nikola ZARIC, Velibor SPALEVIC, Branislav DUDIC, Nikola BULATOVIC, and Nikola  
PAVLICEVIC [Poster Code 082]

DETAILED TEMPORAL AND SPATIAL TOPSOIL MOISTURE CONTENT CHANGES IN  
A SMALL AGRICULTURAL CATCHMENT IN THE CZECH REPUBLIC

Tailin LI, Jakub JEŘÁBEK, Nina NOREIKA, Tomás DOSTÁL, David ZUMR [Poster Code  
083]

IMPACT OF PHYTOTECNOLOGICAL INTERVENTIONS ON CARBON  
SEQUESTRATION IN AN ORGANIC VINEYARD

Marietta REZSEK, József DEZSŐ, János WERNER, Dénes LÓCZY [Poster Code 084]

CROP WATER PRODUCTIVITY AND ECONOMIC RETURN OF RAIN FED POTATO-  
LEGUME INTERCROPPING SYSTEMS

Harun GITARI, Solomon KAMAU and Shadrack NYAWADE [Poster Code 085]

SILICON EXERTS ADDITIVE EFFECT ON PHOSPHORUS ACQUISITION BY POTATO  
INTERCROPPED WITH CHICKPEA

Shadrack NYAWADE, Harun GITARI and Solomon KAMAU [Poster Code 086]

UNLOCKING LEGUME INTERCROPPING TECHNOLOGY IN SMALLHOLDER POTATO  
FARMING SYSTEMS FOR CLIMATE CHANGE ADAPTATION

Shadrack NYAWADE, Harun GITARI [Poster Code 087]

SPATIAL VARIABILITY OF SOIL PROPERTIES IN A 2-YEAR FIELD CULTIVATED WITH  
POTATO-LEGUME INTERCROPS

Harun GITARI and Shadrack NYAWADE [Poster Code 088]



AGGREGATE BREAKDOWN AND SOIL COMPACTION PROCESSES IN AN  
AGRICULTURAL MARL SOIL AS AFFECTED BY RAINFALL EVENTS  
Ali Reza VAEZI, Atieh ROSTAMI, Saniye DEMIR [Poster Code 089]

CHANGES OF ANNUAL AND MONTHLY PRECIPITATIONS OF PROBABILITY  
DISTRIBUTIONS FOR DIFFERENT CLIMATE TYPES OF THE TURKEY  
Saniye DEMIR, Yunus AKDOĞAN, Orhan KAVUNCU, Aşır GENÇ and Bilal HABEŞİ  
ÖZKAYNAR [Poster Code 090]

TOWARDS AN FATE OF SOIL CLIMATE UNDER GLOBAL CHANGES: MODELLED  
PROJECTIONS FOR SOILS OF SERBIA  
Vladimir CIRIC, Gordan MIMIC, Dragutin MIHAILOVIC, Vladimir DJURDJEVIC [Poster  
Code 091]

SOIL CONSERVATION GUIDING TOOL FOR SMALLHOLDER FARMERS ACROSS SUB-  
SAHARAN AFRICA: A PROPOSAL FOR MALAWI  
Patrick KEN KALONDE, Alick CHISALE AUSTIN [Poster Code 092]

ESTIMATES OF SOIL LOSSES IN WATERSHED UNDER TROPICAL OF ALTITUDE  
CLIMATE IN BRAZIL  
Talyson de MELO BOLLELI, Guilherme HENRIQUE EXPEDITO LENSE,  
Derielsen Brandão SANTANA, Rodrigo SANTOS MOREIRA, Paul SESTRAS,  
Paolo BILLI, Velibor SPALEVIC, Ronaldo LUIZ MINCATO [Poster Code 093]

IMPROVEMENT OF YIELD AND PHYTOCHEMICAL COMPOUNDS OF THYMUS  
VULGARIS THROUGH FOLIAR APPLICATION OF SALICYLIC ACID UNDER WATER  
STRESS  
Hamid MOHAMMADI, Mohammad JAVAD NIKJOYAN, Saeid HAZRATI,  
Hossein HASHEMPOUR [Poster Code 094]

APPLICATION OF COMPUTER-GRAPHIC METHODS FOR ANALYSIS OF THE  
PHYSICAL-GEOGRAPHICAL CHARACTERISTICS OF THE VJESTICA RIVER BASIN,  
BECICI, MONTENEGRO  
Andjela DRAGISIC, Ana POPOVIC, Velibor SPALEVIC,  
Nadja MILAS, Andrija KANDIC [Poster Code 096]

ANALYSIS OF THE PHYSICAL-GEOGRAPHICAL CHARACTERISTICS OF THE BOJANA  
RIVER BASIN USING THE COMPUTER-GRAPHIC METHODS AND THE IntErO MODEL  
Andrija KANDIC, Nadja MILAS, Velibor SPALEVIC,  
Ana POPOVIC, Andjela DRAGISIC [Poster Code 098]

ANALYSIS OF THE PHYSICAL-GEOGRAPHICAL CHARACTERISTICS OF THE  
SUTORINA RIVER BASIN USING THE COMPUTER-GRAPHIC METHODS AND THE  
INTERO MODEL  
Hristina SOSKIC, Andjela GRDINIC, Andrija KANDIC,  
Leila GHOLAMI, Velibor SPALEVIC [Poster Code 100]

IMPACT OF IRRIGATION FOR SUSTAINABLE FOOD PRODUCTION ON CLIMATE CHANGE

Svetimir DRAGOVIC, Velibor SPALEVIC, Goran SKATARIC,  
Vjekoslav TANASKOVIK, Mile MARKOSKI [Poster Code 102]

AMELIORATIVE MEASURES AIMED AT PREVENTION/MITIGATION CONSEQUENCES OF CLIMATE CHANGE IN AGRICULTURE IN CROATIA

Ivan SIMUNIC, Marija VUKELIC-SUTOSKA, Velibor SPALEVIC,  
Goran SKATARIC, Vjekoslav TANASKOVIK, Mile MARKOSKI [Poster Code 103]

NEW DATA OF DENSITY OF THE RIVER NETWORK IN MONTENEGRO

Goran BAROVIC, Velibor SPALEVIC, Dusko VUJACIC [Poster Code 104]

CHANGES IN SOIL WATER STORAGE UNDER COVER CROPS

Ksenija MACKIC, Borivoj PEJIC, Vera POPOVIC, Djordje KRSTIC, Svetlana VUJIC, Branko CUPINA [Poster Code 105]

EVALUATION OF GARDEN PEA GENOTYPES BY MAIN MORPHOLOGICAL PARAMETERS

Slavka KALAPCHIEVA, Valentin KOSEV, Viliana VASILEVA [Poster Code 106]

## **POSTER SESSIONS**

**Friday, 29 May 2020, from 14h00 to 16h00**

Rectorate of the University of Montenegro, Podgorica, Montenegro

### **SESSION B**

Chairpersons: Goran SKATARIC National Parks of Montenegro Velibor SPALEVIC, FF

Chairpersons: Svetislav G. POPOVIC, AF: Vanja BOSKOVIC, Young Scientist

Rectorate of the University of Montenegro, Podgorica, Montenegro

Online Chairpersons: Jelena JESIC

EDUCONS University, School of Economics, Sremska Kamenica, Serbia

Online Chairpersons: Vera POPOVIC

Institute of Field and Vegetable Crops, Novi Sad, Serbia

**Poster Sessions opening at 14h30**

#### **AGRONOMIC BENEFITS OF INTERCROPPING PASTURE SYSTEM**

Emil VASILEV and Viliana VASILEVA [Poster Code 107]

#### **IMPACT OF ROW SPACING AND SEED RATE ON THE LOLIUM PERENNE L. PRODUCTION CHARACTERISTICS**

Marijana JOVANOVIC TODOROVIC, Vera POPOVIC, Savo VUCKOVIC,

Zoran JOVOVIC, Snezana JANKOVIC, Vladimir STRUGAR,

Velimir LONCAREVIC and Maja IGNJATOV [Poster Code 108]

#### **OCCURRENCE OF ALETRNARIA ALTERNATA AS CAUSAL AGENT OF SEED ROT OF MATTHIOLA LONGIPETALA IN SERBIA**

Maja IGNJATOV, Dragana MILOSEVIC, Zorica NIKOLIC, Vera POPOVIC,

Gordana TAMINDZIC and Zarko IVANOVIC [Poster Code 109]

#### **ANALYSIS OF TRENDS OF SOYBEAN PRODUCTION WORLDWIDE**

Slobodan POPOVIC, Vera POPOVIC, Savo VUCKOVIC, Zoran JOVOVIC,

Vera RAJICIC, Jela IKANOVIC and Radmila BOJOVIC [Poster Code 110]

#### **STABILITY OF THE EXPRESSION OF THE MAIZE PRODUCTIVITY PARAMETERS BY AMMI MODELS AND GGE-BILOT ANALYSIS**

Vera RAJICIC, Vera POPOVIC, Dragan BOZOVIC, Vladimir FILIPOVIC,

Ljubisa KOLARIC, Vladan UGRENOVIC,

Ljubisa ZIVANOVIC and Velibor SPALEVIC [Poster Code 111]

#### **THE INFLUENCE OF SOIL TEXTURE AND ORGANIC MATTER ON THE RETENTION CURVES AT SOIL MOISTURE IN THE HUMIC CALCAREOUS REGOSOL OF THE OVCH POLE REGION**

Mile MARKOSKI, Tatjana MITKOVA, Vjekoslav TANASKOVIC,

Stojance NECHKOVSKI and Velibor SPALEVIC [Poster Code 112]

THE USE OF THE CORINE LAND COVER (CLC) DATABASE FOR ANALYZING URBAN SPRAWL MUNICIPALITY OF BUDVA, MONTENEGRO

Filip VUJOVIC, Mladen DELIC, Paul SESTRAS,  
Goran SKATARIC, Velibor SPALEVIC [Poster Code 113]

DETERMINATION OF EROSION INTENSITY IN BRKA WATERSHED, BOSNIA AND HERZEGOVINA

Selman Edi KALOPER, Sabrija CADRO, Mirza UZUNOVIC,  
Salwa CHERNI-CADRO [Poster Code 115]

INFLUENCE PLOWED MAIZE STALKS ON THE DYNAMICS OF MICROBIAL INDICATORS IN SOIL

Gorica CVIJANOVIC, Jelena MARINKOVIC, Vojin DJUKIC, Nenad DJURIC,  
Vesna UROSEVIC, Gordana DOZET and Vojin CVIJANOVIC [Poster Code 116]

THE INFLUENCE OF VEGETATION ON THE AMOUNT OF ORGANIC MATTER IN THE SEDIMENT OF SMALL IMPOUNDING RESERVOIRS

Aleksandar ANDJELKOVIC, Vojislav DJEKOVIC, Vesna NIKOLIC JOKANOVIC,  
Dusan JOKANOVIC, Velibor SPALEVIC [Poster Code 117]

ENVIRONMENTAL PROTECTION: RIGHT AND OBLIGATION

Ljiljana JOVANOVIC, Andreja MIHAILOVIC [Poster Code 118]

INDICATORS OF AGRICULTURAL AND RURAL DEVELOPMENT IN THE EAST CENTRAL AND SOUTH-EAST EUROPEAN COUNTRIES

Drago CVIJANOVIC, Tanja STANISIC, Miljan LEKOVIC, and MARIJA KOSTIC [Poster Code 119]

EFFECTS OF ENVIRONMENTAL FACTORS ON HERBACEOUS PLANT DIVERSITY IN AN ORGANIC CULTIVATION OF SAGE (*Salvia officinalis* L.) IN A TYPICAL MEDITERRANEAN CLIMATE

Alexandra D. SOLOMOU, Elpiniki SKOUFOGIANNI, Kyriakos D. GIANNOULIS, George CHARVALAS, Nikolaos G. DANALATOS [Poster Code 120]

APPLICATION OF ZEOLITE TO INCREASE NITROGEN USE EFFICIENCY AND YIELD IN *SALVIA OFFICINALIS* AND *ZIZIPHORA TENUIOR*

Saeid HAZRATI, Hamid MOHAMMADI, Mohammad Ghasem JAMI [Poster Code 121]

INCREASE ESSENTIAL OIL AND DRY MATTER YIELD OF LEMON BALM WITH PLURAMIN FOLIAR SPRAY UNDER WATER DEFICIT-STRESS

Hamid MOHAMMADI, Saeid HAZRATI and Khalil KARIMAN [Poster Code 122]

PRESERVATION OF AGRICULTURAL LAND DURING HYDROPOWER PLANT CONSTRUCTION

Vesna ZUPANC, Helena GRČMAN, Gerhard KAMMERER and Marina PINTAR [Poster Code 124]

EFFECT OF LOCALITY AND ENVIRONMENT ON PRODUCTIVITY OF WHEAT IN  
CHERNOZEM SOIL

Divna SIMIC, Vera POPOVIC, Snezana JANKOVIC, Sladjan STANKOVIC,  
Vladan UGRENOVIC, Nemanja MIHAILOVIC and Petar STEVANOVIC [Poster Code 125]

PREDICTION OF THE FIRMNESS OF THE SELECTED SUNFLOWER HYBRID SEED  
BASED ON ITS TECHNOLOGICAL CHARACTERISTICS

Ranko ROMANIC, Tanja LUZAIC, Nada GRAHOVAC, Sandra CVEJIC,  
Sinisa JOCIC, Snezana KRAVIC and Zorica STOJANOVIC [Poster Code 126]

ANALYSIS OF EROSION WINDS DISTRIBUTION IN THE KHUZESTAN PROVINCE

Zeinab HAZBAVI, Mahin KALEHHOUEI and Bijan KHALILI MOGHADAM [Poster Code  
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PHENOTYPIC ANTIBIOTIC RESISTANCE OF ESCHERICHIA COLI AND E. COLI O157  
ISOLATED FROM GROUNDWATER AT THE IRRIGATED PERIMETER (TADLA-  
MOROCCO)

Fatima Zahra HAFIANE; Latifa TAHRI; Mohamed El JERMOUNI;  
Sabri El MOUATASSIME; Mohammed FEKHAOUI [Poster Code 131]

INFLUENCE OF PUMPKIN SEED CAKE ON PRODUCTION AND SLAUGHTER  
INDICATORS FOR BROILER CHICKENS

Zvonimir STEINER, Ivana PRAKATUR, Josip NOVOSELEC, Danijela SAMAC, Zeljka KLIR,  
Boris ANTUNOVIC, Stipo BENAK, Vesna GANTNER, Mario RONTA [Poster Code 132]

AGROTECHNICAL USE OF MEDICINAL PLANTS IN ORGANIC AND BIODYNAMIC  
PRODUCTION

Vladimir FILIPOVIC, Vladan UGRENOVIC, Ivana SIMIC, Vera POPOVIC,  
Slobodan POPOVIC, Milan UGRINOVIC and Stojan JEVREMOVIC [Poster Code 133]

ORGANIC PRODUCTION – PROTECTION AND INCREASE OF BIODIVERSITY

Vladan UGRENOVIC, Vera POPOVIC, Vladimir FILIPOVIC, Milan PLEKAS [Poster Code  
134]

VITICULTURE AND ENOLOGY AS EXPORT POTENTIAL OF CROATIA

Tihana SUDARIC, Luka SAMARDZIJA, Ruzica LONCARIC [Poster Code 135]

CONTRIBUTION TO THE STUDY OF THE CLIMATIC INFLUENCE ON DIEBACK OF  
THE CEDAR OF ATLAS CEDRUS ATLANTICA MANETTI IN THE THENIET EL HAD  
NATIONAL PARK (ALGERIA)

Ouabel HABIB, Larid MOHAMED, Taleb MOHAMED LAMINE [Poster Code 136]

STUDY ON AGRO-ENVIRONMENTAL INDICATORS FOR DETERMINING LAND  
DEGRADATION AND THEIR PHYSICAL, CHEMICAL, BIOLOGICAL IMPACT ON  
LAND DEGRADATION

Ouabel HABIB, Larid MOHAMED, Hamadi AMINA, Taleb MOHAMED LAMINE [Poster  
Code 137]

**MAPPING THE RISK OF FOREST FIRES IN ALGERIA: CASE STUDY OF THE FOREST OF GUETARNIA (WESTERN ALGERIA)**

Benamar BELGHERBI, Kheloufi BENABDELI and Houari YEROU [Poster Code 138]

**INFLUENCE OF THI ON THE ZOO TECHNICAL PARAMETERS OF DAIRY COWS IN THE SEMI-ARID CONDITIONS OF WESTERN ALGERIA**

Houari YEROU, Benamar BELGHERBI, Imen IKHOU, Mohamed Amine NOUARI [Poster Code 139]

**ANALYSIS OF LAND SURFACE TEMPERATURE AT SARAJEVO REGION USING LANDSAT 8 DATA**

Branislav DRASKOVIC, Boban MILETIC and Marko GUTALJ [Poster Code 140]

**PHYSIOLOGICAL PARAMETERS OF MAIZE CULTIVATE WITH SEWAGE SLUDGE**

Rodrigo SANTOS MOREIRA, Guilherme HENRIQUE EXPEDITO LENSE, Leonardo FERREIRA FÁVERO, Benedito MAJELA DE OLIVEIRA JUNIOR, Indira RODRIGUES SANTOS, Ronaldo LUIZ MINCATO [Poster Code 142]

**MORPHOMETRIC AND HYDROLOGICAL CHARACTERIZATION OF SAPUCAÍ RIVER, SOUTH OF MINAS GERAIS**

Lucas Emanuel SERVIDONI, Marcos Coelho BISSOLI, Joaquim Ernesto Bernardes AYER and Ronaldo Luiz MINCATO [Poster Code 143]

**SUMMER OF 2020: RAINY FLOODS WITH TRAGIC CONSEQUENCES IN AN AREA OF HIGH POPULATION DENSITY IN BRAZIL**

Lucas Emanuel SERVIDONI, Luis Felipe Pigatto Miranda SILVA, Joaquim Ernesto Bernardes AYER and Ronaldo Luiz MINCATO [Poster Code 144]

**MONITORING OF NATIVE FOREST REGENERATION IMPACTED BY FIRE USING UNMANNED AERIAL VEHICLE**

Lucas Emanuel SERVIDONI, Luis Felipe Pigatto Miranda SILVA, Marcos Coelho BISSOLI, Joaquim Ernesto Bernardes AYER and Ronaldo Luiz MINCATO [Poster Code 145]

**MODELING OF WATER EROSION IN A TROPICAL WATERSHED**

Alexandre Elias de Miranda TEODORO, Guilherme Henrique Expedito LENSE, Taya Cristo PARREIRAS, Fernanda Almeida BÓCOLI, Rodrigo Santos MOREIRA, Ronaldo Luiz MINCATO [Poster Code 146]

**SENSITIVITY OF THE FLOOD RISK MAPS TO THE DIFFERENT DIGITAL ELEVATION MODEL'S RESOLUTIONS**

Salwa CHERNI-CADRO, Fehad MUJIC, Bojana NEDIC, Dalila JABUCAR [Poster Code 147]

**DNA BARCODING OF HOVERFLIES (DIPTERA SYRPHIDAE) – NEW SPECIES DISCOVERY IN THE MERODON AUREUS SPECIES GROUP**

Ljiljana SASIC ZORIC, Lea KURTEK, Mihajla DJAN and Ante VUJIC [Poster Code 148]



QUALITY OF MARIGOLD (*Calendulae flos*) IN ENVIRONMENTAL CONDITIONS OF NORTHERN MONTENEGRO

Jasmina BALIJAGIC, Veselinka ZECEVIC, Irfan MUJANOVIC, Mujo VREVA, Sanida ARSLANOVIC [Poster Code 149]

CHEMICAL COMPOSITION OF *Origanum dictamnus* AND *Origanum vulgare* ssp. *hirtum* FROM GREECE

Milica ACIMOVIC, Jovana STANKOVIC, Mirjana CVETKOVIC, Natasa SIMIN, Ivana BEARA, Marija LESJAK, Vera POPOVIC [Poster Code 150]

EFFECTS OF VARIETIES ON BEAN YIELD IN ORGANIC PRODUCTION

Gordana DOZET, Mirjana VASIC, Gorica CVIJANOVIC, Vojin DJUKIC, Zlatica MILADINOV, Nenad DJURIC and Vladan UGRENOVIC [Poster Code 151]

## **SESSION C**

Chairpersons: Svetislav G. POPOVIC, AF: Vanja BOSKOVIC, Young Scientist;

Rectorate of the University of Montenegro, Podgorica, Montenegro

Online Chairpersons: Jelena JESIC

EDUCONS University, School of Economics, Sremska Kamenica, Serbia

Online Chairpersons: Vera POPOVIC

Institute of Field and Vegetable Crops, Novi Sad, Serbia

### **Poster Sessions opening at 15h0**

#### **LIMATIC CHANGE AND AGRICULTURAL PRODUCTION**

Vera POPOVIC, Zoran JOVOVIC, Ana MARJANOVIC JEROMELA,

Vladimir SIKORA, Sanja MIKIC and Ljubica SARCEVIC TODOSIJEVIC [Poster Code 152]

#### **CLIMATE CHANGE AS A THREAT TO GLOBAL ECONOMY**

Andreja MIHAILOVIC, Ljiljana JOVANOVIC [Poster Code 154]

#### **INFLUENCE OF SOME ECOLOGICAL FACTORS ON THE NUMBER OF SOIL ACTINOMYCETES IN DIFFERENT PHYSIOLOGICAL PHASES OF DEVELOPMENT OF MAIZE**

Ljubica SARCEVIC TODOSIJEVIC, Vera POPOVIC, Snezana DJORDJEVIC,

Ljubisa ZIVANOVIC, Vladimir FILIPOVIC, Nikola DJORDJEVIC, Jelena GOLIJAN [Poster Code 155]

#### **IMPACT OF NUTRITION EFFECT TO PRODUCTIVITY OF BIOENERGY CROP**

##### **MISCANTHUS X GIGANTEUS IN DIFFERENT ENVIRONMENTS**

Milena MLADENOVIC GLAMOCLIIJA, Vera POPOVIC, Snezana JANKOVIC, Vojislav

MIHAILOVIC, Milic CUROVIC, Djordje GLAMOCLIIJA and

Milorad DJOKIC [Poster Code 156]

#### **PRODUCTION POTENTIAL OF SOILS FOR ORGANIC AGRICULTURE: CASE STUDY OF THE POLIMLJE REGION, NORTH MONTENEGRO**

Dejan ZEJAK [Poster Code 157]

#### **CAUSES AND CONSEQUENCES OF POLLUTION OF THE GREAT BACKA CANAL, SERBIA**

Danica SVORCAN, Radovan PEJANOVIC, Jovana ADAMOVIC [Poster Code 158]

#### **GENOTYPE AND ENVIRONMENT EFFECT OF SOYBEAN PRODUCTION AND BIOGAS**

Jela IKANOVIC, Vera POPOVIC, Nikola RAKASCAN, Snezana JANKOVIC,

Ljubisa ZIVANOVIC, Milena MLADENOVIC GLAMOCLIIJA, Gordana DRAZIC [Poster Code 159]

#### **INFLUENCE OF BIO-FERTILISATION WITH ARBUSCULAR MYCORRHIZAL FUNGI COMBINED AND PGPR ON THE GROWTH PARAMETERS OF DATE PALM PLANTS UNDER DROUGHT TRESS CONDITIONS**

Oumaima HARKOUSSE, Afafe SLIMANI, Mazri MOUAAD AMINE,

Lahcen OUAHMANE, Tayeb KOUSSA, Mohamed NAJIB AL FEDDY [Poster Code 161]

NUTRIENT STATUS OF CITRUS AURANTIUM AND BUXUS SEMPERVIRENS IN  
HISTORIC GARDENS OF ARBORETUM TRSTENO

Ivan SIMIC, Mirjana HERAK CUSTIC, Marija PECINA, Marko PETEK [Poster Code 162]

WILD AND CULTIVATED CENTAUREA RAPHANINA SUBSP. MIXTA: A VALUABLE  
SOURCE OF BIOACTIVE COMPOUNDS

Spyridon PETROPOULOS, Maria Ines DIAS, Angela FERNANDES,  
Nikolaos POLYZOS, Francesco DI GIOIA, Marija IVANOV, Marina SOKOVIC, Lillian  
BARROS and Isabel C.F.R: FERREIRA [Poster Code 163]

INTRODUCING NDVI, TREE COVER DENSITY AND LAND  
COVER TYPE AS FUEL INDICATORS IN THE WILDFIRE SPREAD  
CAPACITY INDEX (WSCCI); CASE OF MONTENEGRO

Artan HYSÄ [Poster Code 165]

TEMPORAL DYNAMICS OF LAND USE AND OCCUPATION CHANGES IN THE  
MUNICIPALITY OF ALFENAS, BRAZIL

Alvanil Miranda de SOUZA, Rodrigo Santos MOREIRA, Guilherme Henrique Expedito  
LENSE, Ronaldo Luiz MINCATO [Poster Code 166]

ESTIMATE OF SWEET POTATO PRODUCTIVITY BASED ON VEGETATION INDICES OF  
DRONE IMAGERY

Luis Felipe Pigatto Miranda SILVA, Taya Cristo PARREIRAS, Wellington de LIMA,  
Lucas Emanuel SERVIDONI, Filipe Castro FELIX, Jeferson Carlos de Oliveira SILVA,  
Marcos Coelho BISSOLI, Valter Carvalho de ANDRADE JUNIOR,  
Marx Leandro Naves SILVA and Ronaldo Luiz MINCATO [Poster Code 167]

EFFECTS OF LIMING AND NUTRIENT MANAGEMENT ON YIELD AND OTHER  
PARAMETERS OF POTATO PRODUCTIVITY ON ACID SOILS IN MONTENEGRO

Zoran JOVOVIC, Zeljko DOLIJEANOVIC, Paul SESTRAS, Velibor SPALEVIC,  
Novo PRZULJ, Ana VELIMIROVIC, Vera POPOVIC [Poster Code 168]

IMPACT OF DIFFERENT ORGANIC FERTILIZERS ON LAVENDER PRODUCTIVITY  
(LAVANDULA OFFICINALIS CHAIX)

Andreja KOMNENIC, Zoran JOVOVIC, Ana VELIMIROVIC [Poster Code 169]

COUNTING FUEL PROPERTIES AS INPUT IN THE WILDFIRE SPREADING CAPACITIES  
OF VEGETATED SURFACES AT LANDSCAPE SCALE: CASE OF ALBANIA

Artan HYSÄ, Zydi TEQJA [Poster Code 170]

WATER4EVER PROJECT: USE OF MOHID-LAND TO MODEL WATER BALANCE FOR  
DEFICIT IRRIGATION IN VINEYARDS

Danilo RABINO, Marcella BIDDOCU, Giorgia BAGAGIOLO, Tiago B. RAMOS, Lucian  
SIMIONESEI, Ana R. OLIVEIRA, Nuno GROSSO, Pritimoy PODDER, Ramiro NEVES  
[Poster Code 171]

GRAIN YIELD AND YIELD COMPONENTS OF WINTER BARLEY

Vera RAJICIC, Dragan TERZIC, Vesna PERISIC, Marijana DUGALIC and VERA POPOVIC  
[Poster Code 172]

SUNFLOWER SEED, MEAL AND OIL WORLD MARKET

Ranko ROMANIC, and Tanja LUZAIC [Poster Code 173]

TOTAL AND AVAILABLE PHOSPHORUS DYNAMICS IN BRAZILIAN OXISOLS ON A TOPOSEQUENCE IN STEEP SLOPES

Fernanda Almeida BÓCOLI, Guilherme Henrique Expedito LENSE, Walbert Júnior Reis dos SANTOS, Sérgio Henrique Godinho SILVA, Velibor SPALEVIC, Ronaldo Luiz MINCATO  
[Poster Code 174]

THE INFLUENCE OF INDOLE-BUTYRIC ACID ON THE RHIZOGENESIS OF RIPE CUTTINGS OF OLIVE ARBEQUINA

Ranko POPOVIC, Goran POPOVIC, Ivan CULJAK [Poster Code 175]

THE EFFECTS OF SURFACE ROCK FRAGMENTS ON HYDROLOGICAL PROCESSES IN NORTHERN IRAN

Hero MOHAMMADAMINI, Abdulvahed KHALEDI DARVISHAN, Seyed JALIL ALAVI, Velibor SPALEVIC [Poster Code 176]

BIOGEOGRAPHICAL CHARACTERISTICS OF THE SHIRINDAREH BASIN, IRAN

Dusko VUJACIC, Velibor SPALEVIC, Mladjen JOVANOVIC, Morteza BEHZADFAR [Poster Code 177]

CLIMATE CHARACTERISTICS OF THE SHIRINDAREH BASIN, IRAN

Dusko VUJACIC, Velibor SPALEVIC, Mladjen JOVANOVIC, Morteza BEHZADFAR [Poster Code 178]

GEOLOGICAL CHARACTERISTICS OF THE POLIMLJE REGION IN MONTENEGRO AND SERBIA

Dusko VUJACIC, Slobodan RADUSINOVIC, Velibor SPALEVIC, Goran BAROVIC, Mladjen JOVANOVIC [Poster Code 179]

CONTRIBUTION TO THE RESEARCH OF FLORA OF THE POLIMLJE REGION IN MONTENEGRO AND SERBIA

Dusko VUJACIC, Milic CUROVIC, Milica STANISIC-VUJACIC, Velibor SPALEVIC, Mladjen JOVANOVIC [Poster Code 180]

SOILS OF THE POLIMLJE REGION IN MONTENEGRO AND SERBIA

Dusko VUJACIC, Velibor SPALEVIC, Mirko KNEZEVIC [Poster Code 181]

DETERMINING PES COMPLIANCE IN SECTORAL ACTS CONNECTED TO THE FORESTRY

Ljiljana KECA, Aleksandar MARKOVIC [Poster Code 183]

CONTENT OF HEAVY METALS IN *Satureja montana* L. AND *Satureja subspicata* Vis. IN GRAHOVO AND DRAGALJ, MONTENEGRO

Miljan BIGOVIC, Milica STANISIC-VUJACIC, Ivana MILASEVIC, Jovana JOVANOVIC, Ljudmila RADIVOJEVIC, Haris MAJSTOROVIC, Zorana SAVOVIC, Marija KALUDJEROVIC [Poster Code 184]

VISITOR MANAGEMENT IN PROTECTED AREAS IN SERBIA

Ilija DJORDJEVIC, Goran CESLJAR, Ljubinko RAKONJAC [Poster Code 185]

LABORATORY REARING OF *CERATITIS CAPITATA* WIEDEMANN (DIPTERA, TEPHRITIDAE): LARVAR AND PUPAL DEVELOPMENT

Nevena BARJAKTAROVIC, Sanja RADONJIC [Poster Code xxx]186

THE MEDITERRANEAN FRUIT FLY (*CERATITIS CAPITATA* WIEDEM.): RESULTS OF MONITORING IN 2019 IN MONTENEGRIN SEACOAST

Milica LOPICIC, Sanja RADONJIC [Poster Code 187]

STUDY OF SOME PRODUCTIVE AND QUALITY TRAITS OF WINTER TRITICALE VARIETIES IN MONTENEGRIN CONDITIONS

Dragana LALEVIC, Milan BIBERDZIC, Lidija MILENKOVIC, Zoran S. ILIC [Poster Code 188]

FOREST ECOSYSTEMS VITALITY MONITORING (ICP FORESTS, LEVEL I) WITH SPECIAL EMPHASIS TO THE AFFECTED PART OF THE SAMPLE TREES IN THE REPUBLIC OF SERBIA

Renata GAGIC-SERDAR, Tomislav STEFANOVIC, Ilija DJORDJEVIC, Goran CESLJAR, Miroslava MARKOVIC, Natalija MOMROVIC, Ljubinko RAKONJAC [Poster Code 189]

CONFLICTS IN THE PROTECTION OF NATURAL VALUES; EXAMPLE OF RIVER NERETVA VALLEY

Dora TOMIC RELJIC, Petra PEREKOVIC, Ines HRDALO, Monika KAMENECKI and Sonja BUTULA [Poster Code 190]

PRELIMINARY CHARACTERISTIC OF WINES VRANAC FROM CRMNICA SUB-REGION, MONTENEGRO

Radmila PAJOVIC SCEPANOVIC, Danijela RAICEVIC, Ana UKSANOVIC, Tatjana POPOVIC [Poster Code 191]

ANIMAL HUSBANDRY OF KARST REGION IN MONTENEGRO

Aleksandar MARTINOVIC, Milan MARKOVIC [Poster Code 192]

VARIABILITY OF STRESS INDICATORS IN JUMPING HORSES IN PARKOUR DUE TO HORSE AGE AND COMPETITIVE SEASON

Maja GREGIC, Mirjana BABAN, Bozidarka MARKOVIC, Vesna GANTNER and Tina BOBIC [Poster Code 193]

THE CONNECTION BETWEEN CLIMATE CONDITIONS AND POPULATION SIZE OF MOST REPRESENTED LARGE GAME IN A HUNTING AREA IN EASTERN CROATIA IN PERIOD 2008 - 2018

Mirna GAVRAN, Bozidarka MARKOVIC, Dragan DOKIC, Vesna GANTNER [Poster Code 195]

THE EFFECT OF N-3 UNSATURATED FATTY ACIDS ADDITION ON SOMATIC AND MICROORGANISM CELL COUNT IN GOATS' MILK

Vesna GANTNER, Bozidarka MARKOVIC, Mirna GAVRAN, Zvonimir STEINER, Maja GREGIC, Ranko GANTNER and Klemen POTOČNIK [Poster Code 197]

PRECISION FARMING – ESTIMATION OF AMMONIUM POLLUTION FROM DAIRY CATTLE FARMS

Vesna GANTNER, Bozidarka MARKOVIC, Zvonimir STEINER, Mirna GAVRAN, Dragan DOKIC [Poster Code 199]



## **SESSION D**

Chairpersons: Sanja RADONJIC, BTF: Zoran JOVOVIC, BTF

Rectorate of the University of Montenegro, Podgorica, Montenegro

Online Chairpersons: Jelena JESIC

EDUCONS University, School of Economics, Sremska Kamenica, Serbia

Online Chairpersons: Morteza BEHZADFAR

Planning and Management Organization of North Khorasan, Iran

**Poster Sessions opening at 15h30**

### **INDIRECT METHOD FOR DETECTION OF SUBCLINICAL MASTITIS IN DAIRY COWS**

Marija RUNCHEVSKA, Ljubica TRAJKOSKA, Genc KADRIU,

Biljana TRAJKOVSKA, Ljupce KOCOSKI, Vesna HRISTOVA [Poster Code 200]

### **MONITORING THE TITRATION ACIDITY AS ONE OF THE MOST IMPORTANT PARAMETERS FOR YOGHURT QUALITY**

Sara DIMESKA, Ljubica TRAJKOVSKA, Sara DOLEVSKA, Genc KADRIU,

Dragan ILIEVSKI, Biljana TRAJKOVSKA, Ljupce KOCOSKI [Poster Code 201]

### **MONITORING THE QUALITY OF YOGURT DURING STORAGE**

Sara DOLEVSKA, Ljubica TRAJKOVSKA, Sara DIMESKA, Dragan ILIEVSKI, Aleksandra

GROZDANOVSKA, Genc KADRIU [Poster Code 202]

### **INNOVATIONS IN THE ALGERIAN DAIRY SECTOR: EVIDENCE FROM MILA REGION**

Messaoud LAZEREZ, Manel DJEDIANE and Sabria LARIBI [Poster Code 203]

### **EFFECTS OF THE $\beta$ -LACTOGLOBULIN GENOTYPE ON MILK PRODUCTION PARAMETERS OF JEZEROPIVSKA SHEEP BREED**

Milena DJOKIC, Bozidarka MARKOVIC, Milan MARKOVIC, Miljan VELJIC [Poster Code 204]

### **ECONOMIC AND ECOLOGICAL IMPORTANCE OF GOAT PRODUCTION IN MONTENEGRO**

Bozidarka MARKOVIC, Dusica RADONJIC and Milan MARKOVIC [Poster Code 205]

### **THE IMPORTANCE OF CONDUCTING DIAGNOSTICS OF SENOTAINIASIS IN MONTENEGRO**

Mirjana BOJANIC RASOVIC [Poster Code 206]

### **ORGANIC LIVESTOCK FARMING IN REPUBLIC OF CROATIA- STATE AND PERSPECTIVE DEVELOPMENT**

Zvonko ANTUNOVIC, Djuro SENCIC, Zeljka KLIR, Krunoslav ZMAIC,

Danijela SAMAC and Josip NOVOSELEC [Poster Code 207]

### **THE ROLE OF LOCAL GOVERNMENT IN STRATEGIC PLANNING AND STIMULATING INVESTMENTS IN AGRICULTURE SECTOR**

Dragan DOKIC, Bozidarka MARKOVIC, Mirna GAVRAN, Vesna GANTNER [Poster Code 208]

PLANNING AND DEVELOPMENT OF WINE VILLAGES IN MONTENEGRO

Svetislav G. POPOVIC [Poster Code 209]

THE HOUSE ON THE LAKE SKADAR, MONTENEGRO

Svetislav G. POPOVIC, Sladjana LAZAREVIC, Hasan PARSIPOUR [Poster Code 210]

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