



seit 1558

Friedrich-Schiller University Jena



Agricultural University of Tirana

3rd International Conference “Challenges in Biotechnological and Environmental Approaches”, April 23-24, 2019

April 23 (Tuesday)

- 8⁰⁰-9⁰⁰ Registration
- 9⁰⁰-9³⁰ Opening of the Conference and Welcome Speeches (Pedrollo Hall)
Bari Musabelliu, Fatbardh Sallaku, Anila Hoda, Ralf Oelmüller,

Plenary Session 1: Cellular responses

9³⁰ - 11⁰⁰ (Skënder Xhiku Hall)

Chairmen: Fatbardh Sallaku and Ralf Oelmüller

- 9³⁰-9⁴⁵ SANDRA SCHOLZ
Chemical elicitors of root-colonizing fungus *Mortierella hyalina* induce growth promotion in *Arabidopsis*
- 9⁴⁵-10⁰⁵ TAFË VESELAJ
Assessment of physical chemical parameters of leachate from waste landfill in Kosovo
- 10⁰⁵-10²⁰ LEDIA VASJARI
Induced recruitment of RasGAP to control Cyclin D expression
- 10²⁰-10⁴⁰ HALINA GABRY
Glr channels in blue light-controlled plant development and movements
- 10⁴⁰-11⁰⁰ RALF OELMÜLLER
Sensing environmental and developmental signals via cellooligomers

11⁰⁰ - 11³⁰ coffee break

Plenary Session 2:

11³⁰ - 13¹⁵ (Skënder Xhiku Hall)

Chairmen: Sowjanya Sree and Agim Rexhepi

- 11³⁰-11⁵⁰ INGO SCHUBERT
Cytogenomics for duckweeds, an emerging crop
- 11⁵⁰-12¹⁰ K. SOWJANYA SREE,
Flowering in a unique Duckweed, *Wolffia microscopica*
- 12¹⁰-12³⁰ KLAUS-J. APPENROTH
Use of duckweed (Lemnaceae): Nutrition or bioenergy?
- 12³⁰-12⁴⁵ AGIM REXHEPI
Occurrence of West Nile Virus antibodies in equines and its mosquito vector species in Kosovo
- 12⁴⁵-13⁰⁰ INA TOSKA
The value of laboratory testing of ceruloplasmin, copper and urinary copper in detection of Wilson disease
- 13⁰⁰-13¹⁵ GAVROSH ZELA
Assessment of the surface water pollution from the oil extraction industry in Marinza oil field, Fier, Albania

13¹⁵-14³⁰

Lunch

Plenary Session 3: Genetic analysis of relevant traits

14³⁰ - 16¹⁵ (Skënder Xhiku Hall)

Chairmen: Agim Ballvora and Anila Hoda

- 14³⁰-14⁵⁰ AGIM BALLVORA
Genomics of sustainable breeding progress: a mega-study in wheat
- 14⁵⁰-15¹⁰ PRIMOŽ PELICON
Elemental and molecular imaging with fast ions in plant biology
- 15¹⁰-15²⁵ SIDORELA DERVISHI
Correlation of thyroid antibodies with thyroid hormones in autoimmune thyroid disease
- 15²⁵-15⁴⁰ ESMERALDA HOXHAI
An evaluation of vitamin D and bone turnover markers levels in postmenopausal women in Albania
- 15⁴⁰-15⁵⁵ GLEDJAN CAKA
Role of fibroblasts in epithelial-mesenchymal transition in bladder cancer cells
- 15⁵⁵-16⁵⁵ ANILA HODA
Genetic diversity of *Cyprinus carpio* from two hatcheries in Albania
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April 24 (Wednesday)

8⁰⁰-9⁰⁰ Registration

Plenary Session 4: Interactions Between Eukaryotes and their Environments: smaller neighbors and chemicals

9³⁰ - 11⁰⁰ (Skënder Xhiku Hall)

Chairmen: Eric Lam and Alban Ibraliu

- 9⁰⁰-9¹⁵ YU-HENG TSENG
Characterization of the symbiotic interaction of unusual root-colonizing fungal isolates conferring salt- and heat-stress tolerance to plants including *Arabidopsis thaliana*
- 9¹⁵-9³⁵ VALBONA ALIKO
Interaction between immune host system and intra-erythrocytic Hepatozoon spp. parasite-a possible involvement of apicoplast
- 9³⁵-9⁵⁵ STEFAN BARTRAM
Isotope ratio mass spectrometry in chemical ecology
- 9⁵⁵-10¹⁰ BLERTA TURANI
Sensitivity of early life stages of *Pelophylax shqipericus* to xenobiotics
- 10¹⁰-10³⁰ ERIC LAM
Host-specific and tissue-dependent orchestration of microbiome community structure in traditional rice paddy ecosystems

10³⁰-11⁰⁰ coffee break

Plenary Session 5: Plant Interactions with the Environment

11⁰⁰ - 12³⁰ (Skënder Xhiku Hall)

Chairmen: Axel Mithöfer and Valbona Kolaneci

- 11⁰⁰-11²⁰ JUDITH FLIEGMANN
FLS2XL: extended ligand perception for efficient defense against *Agrobacteria*
- 11²⁰-11³⁵ MATTHIAS R. ZIMMERMANN
Phytoplasma-Plant-Interaction I: General aspects
- 11³⁵-11⁵⁰ ALEXANDRA C. FURCH
Phytoplasma-Plant-Interaction II: Specific fruit tree phytoplasmas (*Candidatus Phytoplasma* spp.) affect apple much less than peach and pear

- 11⁵⁰-12¹⁰ DONALD SHUKA
Photosynthetic characteristics of lichens related to daily courses of light temperature, air humidity etc: a field study from Piora valley Ticino, Switzerland
- 12¹⁰-12³⁰ AXEL MITHÖFER
Carnivorous plants: freaks of nature or putative model plants?

12³⁰ - 13³⁰ *Lunch*

13³⁰ - 14³⁰ *Poster Session*

**Plenary Session 6: Climate changes adaption interventions of
the Kune-Vaini lagoon system (Lezha,
Albania) - ecological approach**

14³⁰ - 16⁰⁰ (Skënder Xhiku Hall)
Chairmen: Ferdinand Bego and Majlinda Vasjari

- 14³⁰-14⁴⁵ ALEKO MIHO
Climate changes adaption interventions of the Kune-Vaini lagoon system (Lezha) - ecological approach
- 14⁴⁵-15⁰⁰ LORETA VALLJA
Water chemistry of Kune-Vaini lagoon system – an ecological approach
- 15⁰⁰-15¹⁵ SONILA DUKA
Estimation of TSI (nitrite-nitrogen) for evaluation of trophic state in Kune- Vaini lagoon system
- 15¹⁵-15³⁰ MADALENA KOLA
Phytoplankton approach in Kune-Vaini lagoon system
- 15³⁰-15⁴⁵ ISIDORA GJATA
First view on aquatic plants (macrophytes) of Kune-Vaini lagoon system (Lezha)
- 15⁴⁵-16⁰⁰ RIDJOLA LIKA
Zooplankton monitoring in Kune-Vaini lagoon system (Lezha)

16⁰⁰ - 16³⁰ *Closing*

List of Posters

- 1 **Determining the best fit equations to represent the cumulative particle – size distribution curves in soils of Albania**
BESNIK GJONGECAJ
- 2 **Sandy dunes vegetation in Narta**
RUDINA KOÇI
- 3 **Statistical processing of the data for the presence of Q fever in human population in Western Macedonia**
MIJE REÇI
- 4 **Polymorphism of glutenins and gliadins in wheat hybrids from species *Triticum durum*, *Triticum aestivum* and *Triticum dicoccum***
LEONORA QOKU
- 5 **Evaluation of caffeine in soft and energy drinks by means of UV/Visible Spectrophotometer**
NERTIL XHAFERAJ
- 6 **Evaluation of phosphorus in Cola drinks in Albanian market**
ANISA PEÇULI
- 7 **Experimental modeling of subcutaneous endometriosis**
SARA GJURGI
- 8 **Pomological characteristics and chemical content of the pomegranates (*Punica granatum* L) in EX SITU**
TATJANA KOKAJ
- 9 **Drought tolerance and thiols molarity in seedlings of two *Aegilops* accessions**
VJOLLCA IBRO
- 10 **Analyse of life forms and floristic elements of some medicinal plants in Bredhik Reserve, Sharr Mountain in Kosovo**
AVDYLL BAJRAMI
- 11 **Chemical profiling, antimicrobial and antioxidant activity of Albanian thyme essential oil**
ERJON MAMOCI
- 12 **The endemic and relict alpine–subalpine plant species in Shutman Natural Reserve of Kosovo and their conservation status**
HAXHI HALILAJ
- 13 **Anthropometric measurement and agility abilities of children aged 11-14 years in a rural school of Durrës country, Albania**
LAURA GJYLI
- 14 **Heavy metal accumulation in liver tissue of two fish species of Adriatic sea**
ENKELEDA OZUNI
- 15 **The impact of daily walk on several semen parameters of bulls kept for reproduction - Study case: Genetic Center of Kosova "GenKos"**
HAMIT MANAJ
- 16 **Physico-chemical and rheological properties of some different varieties of grain cultivated in Albanian areas**
ALKETA SHEHAJ
- 17 **Determination of the proper time and effectiveness of insecticide, for protection against codling moth**
NIKOLIN KARAPANCI

- 18 Long-term coastal habitat dynamics in Buna delta severely influenced by hydropower dams along upstream Drini River**
KRISTI BEGO
- 19 Inheritance of spike traits in F₁ generation in wheat depending on parents' genetic diversity**
SHUKRI FETAHU
- 20 The impact of oak chips during alcoholic fermentation in stabilizing the color of red wine of Sheshi Zi**
KRENAR GOZHDARI
- 21 Assesment of genetic diversity of Phaseolus germplasm by morphological quantitative characters**
VALBONA HOBDARI
- 22 Iodine deficiency in Alpine goats in some rural areas of Elbasan district**
KASTRIOT BELEGU
- 23 Albanian forest role to the climate change mitigation and national economy**
NEHAT ÇOLLAKU
- 24 The effect of “Natuphos” phytase on improving of performance parameters of weaned piglets in albanian farm conditions.**
REZANA PENGU
- 25 Investigation of green space changes in Tirana-Durres region**
ENKELEJD LEKAJ
- 26 -thujone induces cytostatic and anti-invasive effects in the populations of malignant glioblastoma multiforme cells *in vitro***
DAMIAN RYSZAWY
- 27 Estimation of Extractable Potassium in some selected soils in Albania.**
JULITA SULA
- 28 Potassium fixation capacity in some selected soils in Albania.**
JULITA SULA
- 29 *In silico* analysis of osteocalcin gene in Cyprinidae**
XHILIOLA BIXHEKU
- 30 Advanced technology of energy use of biomass. The study: the cremation of the distilled waste of sage in Albania.**
ADI SHAMKU
- 31 Variability of chamomile (*Matricaria chamomilla* L.) populations as a valuable medicinal plant in Albania evaluated by morphological traits**
NDRIÇIM ZHURI
- 32. The effects of *in vitro* culture on the leaf structure of rootstock CAB 6P (*Prunus cerasus*)**
AVDIRRAHMAN GASHI
- 33 Participatory approach for a better management of Protected areas : the case of Llogara National Park**
ANILA BOSHNJAKU
- 34 Evaluation of genetic diversity of cowslip populations (*Primula veris* L.) in Kosovo, based on some phenotypic traits and indicators.**
MUZAFER LUMA