Final Program

7TH CONFERENCE OF THE SCIENTIFIC SOCIETY “MIKROBIOKOSMOS”

“10 YEARS OF MICROBIAL COMMUNITIES IN ACTION”

Friday 7th April 2017

Registration (on site): 15:00 -17:00

Conference opening – Welcome address: 17:00 – 17:45

Session 1: Agriculture – Environment

Martin, F.M. (Invited Speaker): Unearthing the roots of mycorrhizal symbioses 18:00 – 18:40


Omirou, M.: Rhizosphere-related traits in plant breeding: Current knowledge and future needs 18:55 – 19:10

Gkizi, D.: The role of epigenetic inheritance in sustainable agriculture 19:10 – 19:25

Kalntremtziou, M.: Metagenomic analysis of microorganisms and molecular characterization of lignocellulose-degrading genes from Mediterranean soil habitats 19:25 – 19:40

Discussion: 19:40 – 19:50

Welcome Reception 20:00

Saturday 8th April 2017

Session 2: Agriculture – Environment


Papadopoulou, E.S.: In vitro testing of the inhibitory effect of EQ and its oxidation derivatives on nitrification 09:55 – 10:10


Maliogka, V.I.: Next generation sequencing of siRNAs for the study of new or emerging plant virus diseases: the case of a new lettuce disease in Peloponnese (Greece) 10:25 – 10:40

Beris, D.: Study of the role of PCaP1 plant protein in Potato virus Y adaptation to pepper 10:40 – 10:55

Discussion: 10:55 – 11:05
Coffee break – Visit to posters: 11:05 – 11:30

Session 3: Microorganisms and Food


Nazou, E.: Survival of osmotically adapted and non-adapted Salmonella spp. in filled brioché like products 12:25 – 12:40

Sgouros, G.: Evaluation of indigenous Saccharomyces cerevisiae and non-Saccharomyces strains for quality improvement of Nemea Agiorgitiko wine 12:40 – 12:55

Sourri, P.: Inactivation kinetics of Alicyclobacillus acidoterrestris spores in orange juice by high hydrostatic pressure in combination with or without heat treatment 12:55 – 13:10

Tsakanikas, P.: Multispectral imaging for non-invasive contamination assessment and microbial mapping on food; meat a case study 13:10 – 13:25

Discussion: 13:25 – 13:35

Lunch break – Visit to posters: 13:35 – 15:00

General Assembly of the Scientific Society “Mikrobiokosmos”: 14:15 – 15:00

Session 4: Molecular Mechanisms & Microorganisms

Hatzimanikatis, V. (Invited Speaker): “Models, databases and computational methods for analysis, synthesis and design of complex metabolic networks 15:00 – 15:40


Poulis, P.: Evidence for LexA-dependent regulation of the Zymomonas mobilis recA and lexA genes 15:55 – 16:10

Parapouli, M.: Cloning and overexpression of a new lipSm gene from Stenotrophomonas maltophilia Psi-1, purification and characterization of the encoded lipase (LipSm), the first member of a new family, XVIII 16:10 – 16:25

Korovesi, A.G.: rps3 gene and its role to the evolution of fungal mitochondrial genomes 16:25 – 16:40

Papaioannou, I.A.: Meiosis without crossing-over: genome evolution and mechanisms of meiosis in the new model yeast Saccharomyces ludwigii 16:40 – 16:55

Discussion: 16:55 – 17:05

Coffee break – Visit to posters: 17:05 – 17:30

Session 5: Laboratory Infrastructures at National Level

Moderator: G. Tsiamis

Papadopoulou, K.: OMIC-Engine: from omics technologies to genomic engineering. A national infrastructure on Synthetic Biology 17:30 – 17:40

Savakis, C.: Mikrobiokosmos and ELIXIR: Reciprocal relationships 17:40 – 17:50
Tavernarakis, N.: *BiolImaging-GR: The National Infrastructure* 17:50 – 18:00
Arvanitidis, C.: *Construction and operation of the LifeWatchGreece Research Infrastructure (ESFRI): examples of Biodiversity Informatics virtual laboratories* 18:00 – 18:10
Katsifas, S.: *Hellenic Network of Collections of Microbial Resources* 18:20 – 18:30
ANTISEL S.A. (Congress Sponsor): *16S Metagenomic Analysis using NGS* 18:30 – 18:40
Discussion: 18:40 – 19:00

**New Administration Board of the Scientific Society “Mikrobiokosmos”:**
19:00 – 19:30

**Congress Dinner:**
21:00

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**Sunday 9th April 2017**

**Session 6: Environment**


Maggiopoulos, I.: *A multi-parametric assessment of decontamination protocols for the subglacial Lake Ellsworth probe* 09:55 – 10:10

Meziti, A.: *Seasonal changes of bacterial communities along the Kalamas River at the individual population level* 10:10 – 10:25

Stefanidou, N.: *Warming and salinity change effects on plankton microeukaryotes molecular and functional diversity of Thermaikos Gulf in a mesocosm experiment* 10:25 – 10:40

**Coffee Break – Visit to posters:**
10:40 – 11:00

**Session 6: Environment (cont.)**

Nikokaki, S.: *Ecotoxicological impact of three pesticides on soil fungal diversity* 11:00 – 11:15

Vasileiadis, S.: *Community-wide functional and structural microbial responses to silver in nine soils* 11:15 – 11:30

Nikouli, E.: *The effect of fishmeal substitution by non-ruminant processed animal proteins on the gut microbiome of gilthead seabream juveniles (Sparus aurata)* 11:30 – 11:45

Augoustinos, A.: *Monitoring of the laboratory adaptation of Ceratitis capitata reveals a variety of factors influencing the structure of the gut symbiotic communities* 11:45 – 12:00

**Discussion:**
12:00 – 12:10

**Coffee break – Visit to posters:**
12:10 – 12:30

**Session 7: New Technologies – Biotechnological Applications**


Asimakis, E.: *Assessing the potential of soil microbial communities in degrading pesticides with the use of a DNA microarray* 13:10 – 13:25
Vayenas, D.: Microalgae/cyanobacteria applications in agro-industrial wastewater treatment with simultaneous production of biofuels 13:55 – 14:10
Discussion: 14:10 – 14:20

“Costas Drainas” Fellowship, Awards for the best three poster presentations: 14:20 – 14:30

Open Discussion – Future Prospects for Mikrobiokosmos: 14:30 – 15:00

End of Conference