

organiser



9th Conference of MIKROBIOKOSMOS

**Beneficial microbes at the
heart of Mikrobiokosmos**



16 to 18
December
2021

Agricultural
University
of Athens,
Greece

Final Program

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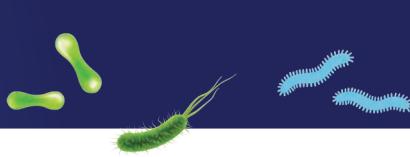
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Welcome

Dear partners,

Microorganisms have endured and thrived through the beginning of life on our planet and this makes them the most resourceful biology “story-tellers” of all living beings. They play key roles in biogeochemical cycling at different environmental compartments, with reciprocal and cascading effects in agriculture, animal, human and plant health. They are important for a sustainable agriculture, as microbial pesticides, biofertilisers or bioremediating agents, and mediate in environmental cleanup and biodepuration. They support life in lakes and oceans affecting all aquatic organism yields, and have an overall impact on the climate; they indeed regulate climate change. They contribute to food production, preservation and safety, and thus in animal and human health and nutrition. They constitute an invaluable source of cellular and molecular materials for exploitation in biotechnology and bioenergy production. Last but not least, they constitute an important and integral part of all other living organisms: the microbiome.

Thus, the role of the microbial world – “mikrobiokosmos” in Greek – is considered more than ever crucial in the “One Health” and “One Planet” schools of thought; i.e., the emerging concepts advocating the intertwining of healthy global ecosystems with healthy living beings. With a vision of the above, the Hellenic Scientific Society MIKROBIOKOSMOS invites its members and all those involved in research in the field of Microbiology, especially young researchers, to participate in the **9th International Conference of MIKROBIOKOSMOS which will be held in Athens from 16 to 18 December 2021**. The aim of the conference is to bring together a multidisciplinary audience of leading academic scientists, researchers and research scholars to exchange and share their experiences and research results in the field of Microbiology.

The theme of the conference is **“Beneficial microbes at the heart of Mikrobiokosmos”** to highlight the beneficial role of microorganisms in the following fields/sessions: Agriculture/Fisheries/Aquaculture, Food/Nutrition, Environment, Bioengineering, Biotechnology/Bioenergy. Advances in Molecular mechanisms, Model organisms, Microbiome studies, Omics approaches and bioinformatics tools, mechanisms of action, host-microbe association and interaction, are also included.

Distinguished scientists from Greece and abroad have been invited as speakers at the conference, to present research developments in the above fields.

The conference will take place in the heart of the city Athens, at the Agricultural University campus, a perfect place close to the historical city centre and we hope to attract a broad European, International and Mediterranean participation.

On behalf of the Organizing & Scientific Committee

Dr. Chrysoula Tassou
President of Mikrobiokosmos

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Organization



Organized by

**Hellenic Scientific Society
MIKROBIOKOSMOS****Email:** info@mikrobiokosmos.org**Website:** www.mikrobiokosmos.org

Organizing & Scientific Committee (in alphabetical order)

Afendra Amalia, University of Ioannina**Chatziefthimiou Aspassia**, Weill Cornell Medicine, QATAR**Genitsaris Savvas**, National Kapodistrian University of Athens**Giannakourou Antonia**, Hellenic Centre for Marine Research**Karayanni Hera**, University of Ioannina**Karpouzas Dimitrios**, University of Thessaly**Kavroulakis Nektarios**, Hellenic Agricultural Organisation-DIMITRA**Kormas Konstantinos**, University of Thessaly**Kougias Panagiotis**, Hellenic Agricultural Organisation-DIMITRA**Koutsoumanis Konstantinos**, Aristotle University of Thessaloniki**Kyriakou Adamantine**, Harokopio University**Nisiotou Aspasia**, Hellenic Agricultural Organisation-DIMITRA**Ntougias Spyridon**, Democritus University of Thrace**Nychas George-John**, Agricultural University of Athens**Omirou Michalis**, Agricultural Research Institute of Cyprus**Pappa Katherine**, National Kapodistrian University of Athens**Papadopoulou Evangelia**, University of Thessaly**Skretas Georgios**, National Hellenic Research Foundation**Stathopoulos Constantinos**, University of Patras**Tampakaki Anastasia**, Agricultural University of Athens**Tassou Chrysoula**, Hellenic Agricultural Organisation-DIMITRA**Topakas Evangelos**, National Technical University of Athens**Tsiamis George**, University of Patras**Venieri Danae**, Technical University of Crete**Zervakis George**, Agricultural University of Athens



About Mikrobiokosmos

Mikrobiokosmos (microbial world in Greek) is an Hellenic Scientific Society established in 2007 with mission the research, exploration and exploitation of the microbial national resources. Its primary focus is to be the national forum for new knowledge and advanced research in the areas of environmental microbiology, microbial ecology of terrestrial and aquatic ecosystems, food microbiology, microbial biotechnology, synthetic biology and synthetic microbial ecology, host-microbiome interactions, bioenergy and cell factories for production of novel bioproducts but also addresses fundamental research in microbiology using model microorganisms. Mikrobiokosmos tries to bring together fundamental research on microbiome with applications in agriculture (plant microbiome), food production and safety, environmental clean up and biodepuration of effluents.

The Society of Mikrobiokosmos has more than 150 members and associated members from all Universities, all National Public Research Centers and main Industrial actors from Greece and Cyprus and it aspires to become an international hub for Microbiologists from the Balkan and Eastern Mediterranean Region.

The role of the Society is to facilitate the collaboration and exchange of ideas between its members, to inspire students and young professionals in microbiology, to support them with grants and to promote scientific actions through the organization of seminars, meetings, summer schools, workshops and its biannual international conference in Greece.

The Hellenic Scientific Society of Microbiokosmos is a member of the Federation of European Microbiological Societies (FEMS) and of the International Union of Microbiological Societies (IUMS) and its members act as national ambassadors for the International Society for Microbial Ecology (ISME) and the American Society of Microbiology (ASM).



For more information please visit <https://www.isme-microbes.org>

The Society organizes webinars, annual summer schools and other training events, offers benefits and scholarships to young members and acts as a national hub to support and promote microbiome research in Greece.

Conference Secretariat



Professional Congress Organizer (PCO)

Likavittou 39-41 str., 10672 Athens, Greece • Tel.: +30 210 3668892 & 856

Member of



TOPICS



Environment



Agriculture



Fisheries /
Aquaculture



Food /
Nutrition



Biotechnology /
Bioengineering



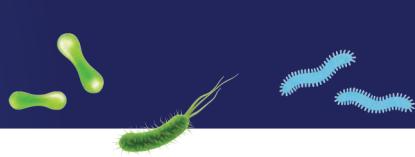
Bioenergy



Model
organisms



New approaches
in microbiology



Invited Speakers



**Emeritus Prof.
Spiros N. Agathos**
Université Catholique
de Louvain, Belgium



Prof. Oded Beja
Technion Israel Institute
of Technology, Israel



Dr. Jean-Guy Berrin
Senior Research Scientist,
Directeur de Recherche
INRA, France



**Prof. Stefano
Campanaro**
University of Padova,
Italy



Prof. Stefan Geisen
Wageningen University,
the Netherlands



Dr. Nikos Kyrpides
Joint Genome Institute,
USA



Prof. Fady Mohareb
Cranfield University,
UK



**Dr. Paraskevi
Polymenakou**
Hellenic Centre for Marine
Research, Greece



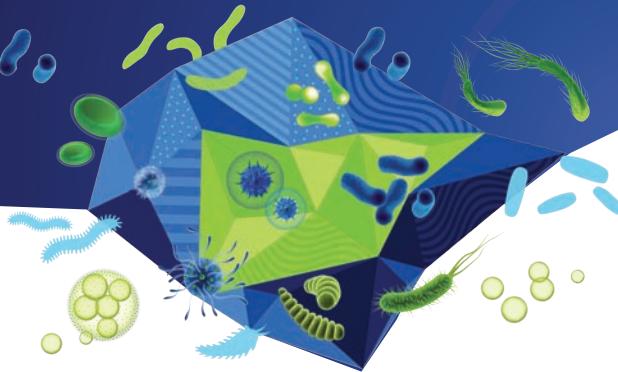
Prof. Kalliopi Rantsiou
University Torino,
Italy



**Emeritus Prof.
Milton Typas**
University of Athens,
Greece

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Thursday 16/12/2021

11.00 -13.00 **REGISTRATION**13.00-13.30 **LIGHT LUNCH**13.30-14.00 **OPENING CEREMONY**

Welcome by MIKROBIOKOSMOS President **Dr. Chrysoula Tassou**
Rector of the Agricultural University of Athens **Mr. Spyridon Kintzios**

14.00-14.30 **PLENARY LECTURE: BENEFICIAL MICROBES AND THEIR FRIENDS:
MICROBIAL ENGINEERING FOR SUSTAINABILITY**
Prof. Spiros Agathos, Research Professor Catholic University of Louvain, Belgium

14.30-15.00 **LECTURE: MICROBIOME PREDATION IN SOILS: IMPORTANCE ON PLANT
PERFORMANCE AND MULTIFUNCTIONALITY**
Prof. Stefan Geisen, Wageningen University, the Netherlands

15.00-16:30 **ORAL PRESENTATIONS, SESSION 1 (OP01-OP08)****AGRICULTURE**

Chairpersons: Dr. M. Omirou, Adjunct, Assistant Professor Agricultural Research Institute of Cyprus
Prof. G. Zervakis, Professor, Agricultural University of Athens

OP01

Beyond on-target effects of potential and established nitrification inhibitors on the soil microbiota
Eleftheria Bachtsevani

15.00-15.15

OP02

Phylogenetic Comparison Of The Rhizosphere-Associated Microbial Populations Of Four Different Alfalfa Genetic Lines
Urania Michaelidou, Dr. Urania Michaelidou

15.15-15.30

OP03

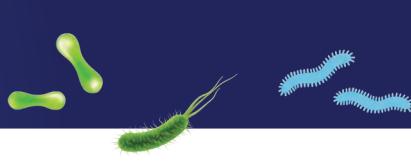
Investigating The Bacterial Communities In The Belowground Compartments Of Potato Plants
Georgia Voulgari

15.30-15.45

OP04

Endophytic bacterial isolates from halophytes & olive trees: a potential source of beneficial microbes for a sustainable agriculture
Christos Christakis

15.45-16.00



Thursday 16/12/2021

OP05

16.00-16.15

The multiple effects of the biocontrol agent *Pseudomonas putida* Z13 against *Botrytis cinerea* in tomato fruits

Litsa Ampatelnour

OP06

6.15 -16.20

Flash talk

Grapevine wood microbiome analysis identifies key fungal pathogens and potential interactions with the bacterial community implicated in grapevine trunk disease appearance

Fotios Bekris

OP07

16.20-16.25

Flash talk

Unravelling the impact of conventional and organic farming system on Black Aspergilli population structure, mycotoxicogenic capacity and mycotoxin contamination assessment in Greek wines, using a new Q-TOF MS-MS detection method

Stefanos Testempasis

OP08

16.25-16.30

Flash talk

Characterising an effector from the fungal pathogen of wheat, *Zymoseptoria tritici*

Nikolaos Mastrodimos

16.30-17.00 COFFEE BREAK

17.00-17.30 LECTURE: "FUNGAL OXIDATIVE ENZYMES AS A SOURCE OF INSPIRATION FOR THE DEVELOPMENT OF BIOTECHNOLOGICAL SOLUTIONS"

Prof. Jean-Guy Berrin, Senior Research Scientist,
Directeur de Recherche INRA, France

17.30-18:40 ORAL PRESENTATIONS, SESSION 2 (OP09-OP16)

BIOTECHNOLOGY

Chairpersons: Prof. S. Ntougias, Associate Professor, Democritus University of Thrace, Greece
Dr. P. Kougias, Principal Researcher, Hellenic Agricultural Organisation - DEMETER

OP09

17.30-17.45

Using the interaction of the endophyte *Fusarium solani* strain K with *Lotus japonicus* as a proxy to assess intracellular translocation of effectors of arbuscular mycorrhizal fungi

Naomi Stuer

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OP10

17.45-18.00

Production of polyunsaturated omega-3 fatty acids from forest and agricultural resources by the heterotrophic marine microalgae *Cryptothecodium cohnii*
Anthi Karnaouri

OP11

WITHDRAWN BY AUTHOR

OP12

18.00-18.15

Degradation of the highly persistent fungicide thiabendazole by a bacterial consortium in a benchtop bioreactor
Panagiotis Karas

OP13

18.15-18.30

Construction of shuttle vectors utilizing an endogenous *Zymomonas mobilis* cryptic plasmid
Maria Vlachonikolou

OP14

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OP15

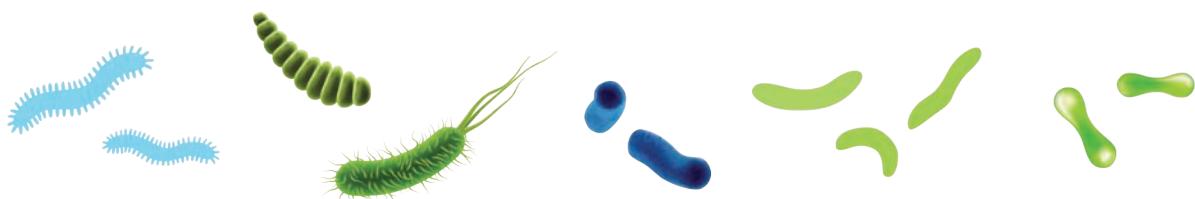
18.30-18.35

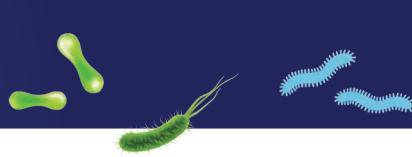
The potential of novel fungal isolates for the degradation of non-biodegradable synthetic polymers
George Taxeidis

OP16

18.35-18.40

Enhancement of *Chlorella vulgaris* biomass productivity through a non-GMO strain improvement approach for food and feed applications
Mafalda Trovão





Friday 17/12/2021

9.00-9.30 **LECTURE: METAGENOMICS & MICROBIAL RHODOPSINS**
Prof. Oded Beja, Technion Israel Institute of Technology, Israel

9.30-11:00 ORAL PRESENTATIONS, SESSION 3 (OP17-OP24)

ENVIRONMENT

Chairpersons: Prof. K. Kormas, Professor, University of Thessaly
Prof. E. Papadopoulou, Assistant Professor, University of Thessaly

OP17

9.30-9.45

Dispersal of airborne aquatic microorganisms: Settlement and growth on different freshwater colonization habitats

Savvas Genitsaris

OP18

9.45-10.00

Behavior of autochthonous microbial communities, within a deep-sea oil plume, under in situ pressure

Evina Gontikaki

OP19

10.00-10.15

The effect of fouling control coating type on the development of marine biofilm communities in the Solent UK

Maria Papadatou

OP20

10.15-10.30

What lies beneath? Missing links in the evolution of methane metabolism from the deep subsurface

Panagiotis Adam

OP21

10.30-10.45

Scratching the tip of the global Archaeal diversity through massive integration of NGS data

Antonios Kioukis

OP22

10.45-10.50

Bacterial Community Time Series From Groundwater Samples

Stauroula Papadaki

OP23

10.50-10.55

Fecal and skin microbiota of two hospitalised *Monachus monachus* female young individuals

Aggeliki Dosi

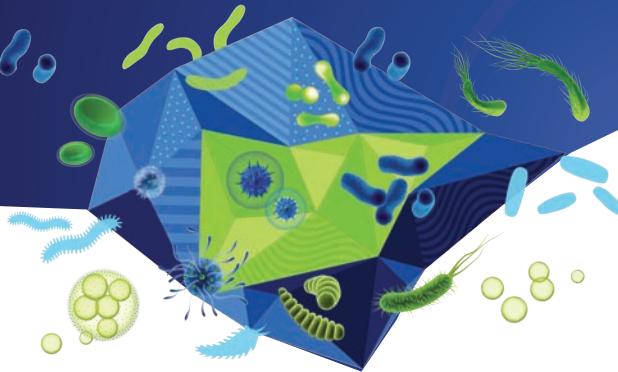
OP24

10.55-11.00

Protocatechuate 4,5-dioxygenase: Transcriptional Analysis and a Novel Approach for In-Situ Biotransformation Monitoring in the NMR Tube Bioreactor

Epameinondas Tsagogiannis

11.00-11.30 COFFEE BREAK

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11.30-12.00 **LECTURE: FROM METAGENOMICS TO METABOLIC MODELLING:
HOW TO INCREASE OUR UNDERSTANDING OF THE ANAEROBIC
DIGESTION MICROBIAL MAZE**
Prof. Stefano Campanaro, University of Padova, Italy

12.00-13.00 **ORAL PRESENTATIONS, SESSION 4 (OP25-OP28)**

AGRICULTURE / BIOTECHNOLOGY

Chairpersons: Prof. G. Tsiamis, Associate Professor, University of Patras

Dr. G. Skretas, Research Associate Professor National Hellenic Research Foundation, Greece

OP25

12.00-12.15

The beauty and the beast: microbiome analysis of honeybees and wasps for possible transmission of pathogenic bacteria to humans during stinging
Ioanna Gkitsaki

OP26

12.15-12.30

Fish mycobacteriosis: diagnostics and prevention in the genomic era
Panagiota Stathopoulou

OP27

12.30-12.45

Unveiling the behavior of anaerobic digestion microbiome under exposure to lipid shock via -omic approaches
Maria Gaspari

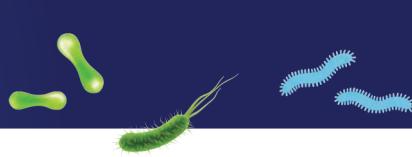
OP28

12.45-13.00

Bioconversion of crude glycerol into high value-added products and their downstream process
Dimitrios Karagiannis

13.00-14.30 **LUNCH BREAK**

14.30-15.00 **LECTURE: MOLECULAR FOOD MICROBIOLOGY; APPLICATIONS FOR SAFETY AND QUALITY**
Prof. Kalliopi Rantsiou, University Torino, Italy



Friday 17/12/2021

15.00-16.30 ORAL PRESENTATIONS, SESSION 5 (OP29-OP36)

FOOD-NUTRITION

Chairpersons: Dr. C. Tassou, Research Director, Hellenic Agricultural Organisation DIMITRA, Greece
Prof. A. Kyriakou, Associate Professor, Harokopio University, Greece

OP29

15.00-15.15

Mapping The Key Technological and Probiotic Characteristics Of Indigenous Lactic Acid Bacteria Isolated From Greek Traditional Dairy Products
N. Chorianopoulos

OP30

15.15-15.30

Effects of rich in β-glucans Pleurotus ostreatus mushrooms on faecal bacterial populations and intestinal barrier in autistic children: an in vitro study
Georgia Saxami

OP31

15.30-15.45

Distribution of Saccharomyces cerevisiae vineyard strains at small spatial scale supports their contribution to local wine character
Ioanna Chalvantzi

OP32

15.45-16.00

Development and validation of predictive growth models for estimating the impact of climate change on plant-based milk alternatives
Ourania Misiou

OP33

16.00-16.15

Evaluation of sub-lethal injury and VNBC state in Listeria monocytogenes using fluorescence activated cell sorting
Marianna Arvaniti

OP34

16.15-16.20

Flash talk

An in silico genomic and metabolic atlas of Lactobacillus reuteri DSM 20016 in relation to biosynthesis of beneficial products for human health
Georgios Efthimiou

OP35

16.20-16.25

Flash talk

Monitoring the bioprotective potential of lactic acid bacteria isolated from traditional dairy products against Listeria monocytogenes in yogurt
Christina Kamarinou

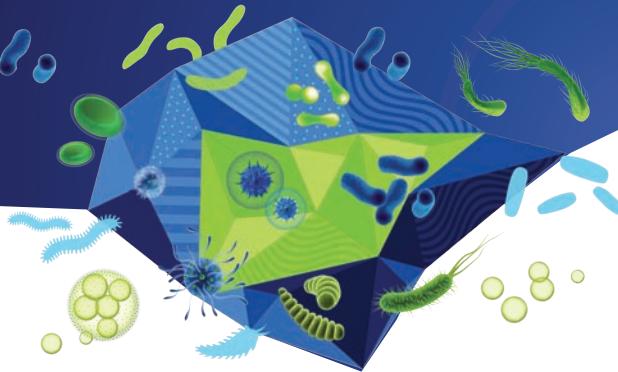
OP36

16.25-16.30

Flash talk

In vitro fermentation of Pleurotus eryngii mushrooms by human Gut Microbiota: meta-taxonomic analysis, anti-genotoxic and metabolomic profiling of the fermentation products
P. Christodoulou

16.30-17.00 COFFEE BREAK

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17.00-17.30 **LECTURE: TOO WILD FOR THE LAB: USING METAGENOMICS TO EXPLORE SANTORINI'S VOLCANO SECRETS**
Dr. Paraskevi Polymenakou, Hellenic Centre for Marine Research, Greece

17.30-18.30 ORAL PRESENTATIONS, SESSION 6 (OP37-OP42)

ENVIRONMENT

Chairpersons: Prof. D. Venieri, Associate Professor, Technical University of Crete
Prof. S. Genitsaris, Assistant professor, National and Kapodistrian University of Athens

OP37

17.30-17.45

Loggerhead sea turtles (*Caretta caretta*) and their microbes: characterizing oral and cloacal microbial communities

Klara Filek

OP38

17.45-18.00

Effect of soil drying on the emission of volatile organic compounds (VOCs) from Cyprus vineyards

Kyriaki Kaikit

OP39

18.00-18.15

Treatment of urban wastewater by a constructed wetland system: elimination of enteric viruses, antibiotic resistant bacteria and resistance gene

Andreas Kaliakatsos

OP40

18.15-18.20

Flash talk

Bioaugmentation of animal feces as a mean to mitigate environmental contamination with anthelmintic benzimidazoles

Eustathios Lagos

OP41

18.20-18.25

Flash talk

Fate of microplastics in wastewater treatment plants and their interactions with antibiotic resistant genes

Evdokia Syranidou

OP42

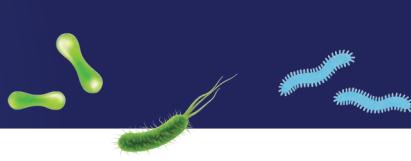
18.25-18.30

Flash talk

Pilot scale application of a herbal biocide for the protection of caves belonging to natural and cultural heritage sites

Anthoula Argyri

18.30-19.00 **PLENARY LECTURE: UNCOVERING THE FUNCTIONAL DARK MATTER**
Dr. Nikos Kyprides, Joint Genome Institute, USA



Saturday 18/12/2021

9.00-10.30 ORAL PRESENTATIONS, SESSION 7 (OP43-OP50)

NEW APPROACHES

Chairpersons: Prof. A. Afendra, Assistant professor, University of Ioannina, Greece
Prof. K. Papadopoulou, University of Thessaly

OP43

9.00-9.15

Starvation-induced cell fusion and heterokaryosis frequently escape imperfect allore cognition systems in an asexual fungal pathogen
Vasileios Vangalis

OP44

9.15-9.30

Insights on the specificity of bacterial purine permeases revealed from phylogenetic and mutational analysis of a reconstructed ancestral homolog
Mrs Ekaterini Tatsaki

OP45

9.30-9.45

Phaeodactylum tricornutum Dicer processes heterochromatic small RNAs from epigenetically repressed autonomous retrotransposons
Frederic Verret

OP46

9.45-10.00

CRISPR/Cas9 ablation of S. aureus P1 tRNAGly gene affects redox balance, nucleotide biosynthesis and transport and interconnects riboswitch-mediated regulatory circuits
Nikoleta Giarimoglou

OP47

10.00-10.15

Estradiol and Progesterone modulated growth, adhesion and biofilm properties of Candida albicans
Fatma Kalayci-Yüksek

OP48

10.15-10.20

Flash talk

Sampling the flux space of microbial metabolic networks for (un)biased assessment of the possible functional states: the example of SARS-CoV-2 on the human alveolar macrophage metabolic network
Haris Zafeiropoulos

OP49

10.20-10.25

Flash talk

Visualizing 3D multilayered networks interactively with Arena3Dweb
Evangelos Karatzas

OP50

10.25-10.30

Flash talk

Microbial Resource Research Infrastructure (IS_MIRRI21, Horizon 2020): Development and long-term sustainability of new pan-European research infrastructures
Paris Laskaris

10.30-11.00 LECTURE: A GENOTYPING APPROACH TOWARDS PERSONALISED NUTRITION **Prof. Fady Mohareb, Cranfield University, UK**

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Saturday 18/12/2021**11.00-11.30 COFFEE BREAK****11.30-13.00 ORAL PRESENTATIONS, SESSION 8 (OP51-OP58)****NEW APPROACHES**

Chairpersons: Prof. K. Pappa, Associate Professor, National Kapodistrian University of Athens
Prof. K. Stathopoulos, Professor, University of Patras, Greece

OP51

11.30-11.45

A beneficial endophytic fungus delivers RNAi molecules to plants
Afrodite Katsaouni

OP52

11.45-12.00

Genomic mutations in Vibrio species can drive acquired resistance against lytic bacteriophages involving a quorum-sensing mediated mechanism
Dimitrios Skliros

OP53

12.00-12.15

Assessing the E. coli stress responses by RNA-SEQ following the application of high-power ultrasound
David Spiteri

OP54

12.15-12.30

The Impact of Plasma Membrane Lipid Composition on Flagellum-Mediated Adhesion of Enterohemorrhagic Escherichia coli
Claire Rossi

OP55

12.30-12.45

PREGO (Process, Environment, Organism), mining literature and -omics (meta)data to associate microorganisms, biological processes, and environment types
Savvas Paragkamian

OP56

12.45-12.50

Chronos: A machine learning based pipeline for the description and predictive modeling of microbiome transitions overtime
Aristeidis Litos

OP57

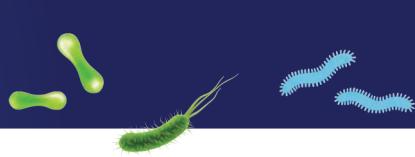
12.50-12.55

Epidemiology and Transmission of Vancomycin-Resistant Bacteria
Samy Selim

OP58

12.55-13.00

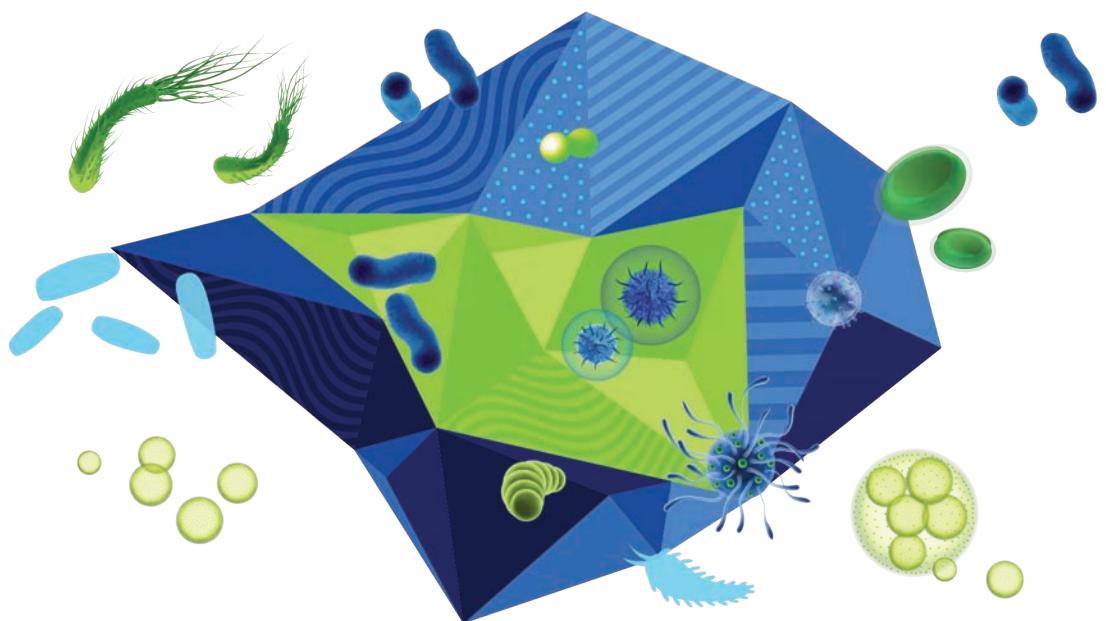
Gut microbial community profile and specific faecal metabolomic signature of hematopoietic stem cell transplant patients
Elias Asimakis

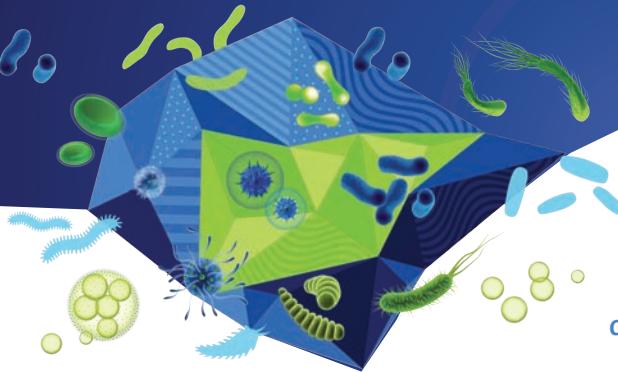


Saturday 18/12/2021

13.00-13.30 **PLENARY LECTURE: STUDYING ECONOMICALLY IMPORTANT FUNGI:
PAST, PRESENT AND FUTURE**
Prof. Miltos Typas, University of Athens, Greece

13.30-14.00 **AWARDS, GRANTS & CLOSING CEREMONY**



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Poster session

The poster presentations will be available during the entire duration of the Conference

POSTER SESSION 1

Agriculture, Fisheries/Aquaculture

PP001 BIOME: APPLICATION OF EMERGING BIOTECHNOLOGICAL METHODS IN ORGANICALLY GROWN VEGETABLE CROPS
Nektarios Kavroulakis

PP002 REVERSAL OF FRUITBODIES PRODUCTION INCAPACITY IN DEGENERATIVE STRAINS OF THE ENTOMOPATHOGENIC FUNGUS CORDYCEPS MILITARIS THROUGH THE USE OF INSECT-ENRICHED SUBSTRATES
Dimitrios Kontogiannatos

PP003 OCCURRENCE OF PHAEOMONIELLA CHLAMYDOSPORA, CAUSAL AGENT OF PETRI DISEASE, IN DIFFERENT STAGES OF GRAPEVINE PROPAGATION MATERIAL AND PATHOGEN BIOMASS FLUCTUATION FROM THE NURSERY TO THE FIELD
Christos Tsoukas

PP004 THE EFFECT OF NITROGEN FERTILIZATION AND NITRIFICATION INHIBITORS ON COMAMMOX NITROSPIRA IN A LOAMY RICE SOIL
Athanasia Katsoula

PP005 TOXICITY OF PESTICIDES ON SOIL MICROBES: AMMONIA-OXIDIZING MICROORGANISMS AS NEW BIOINDICATORS FOR REGULATORY US
Maria Kolovou

PP006 DEVELOPMENT AND APPLICATION OF FORMULATED ENDOPHYTIC FUNGUS FOR NOVEL PLANT GROWTH STRATEGIES
Myrsini Kakagianni

PP007 EFFECT OF PHOTOPERIOD AND TEMPERATURE ON GROWTH AND BIOMASS COMPOSITION OF THE MARINE MICROALGA TETRASELMIS STRIATA
Vasiliki Patrinou

PP008 EXPLORING THE EFFECT OF PLANT VARIETY AND DEVELOPMENTAL STAGE ON THE COMPOSITION AND DIVERSITY OF THE OLIVE TREE MICROBIOME
Kalliopi Papadopoulou

PP009 THE ENDOPHYTIC FUNGUS FUSARIUM SOLANI STRAIN K AFFECTS THE HORMONE PROFILE AND ALLEVIATES STRESS OF TOMATO PLANTS UNDER DROUGHT
Maria Feka

PP010 A SUBSET OF TOMATO TRANSCRIPTION FACTORS IS HIGHLY RESPONSIVE UPON PEPMV INFECTION
Dikran Tsitsikian

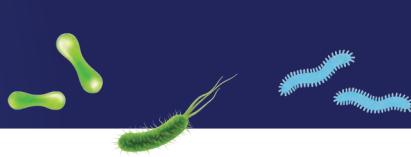
PP011 COMPARATIVE EVALUATION OF THE EFFICACY OF QUINONE IMINE, DICYANDIAMIDE (DCD), NITRAPYRIN, AND 3,4-DIMETHYL PYRAZOLE PHOSPHATE (DMPP) TO INHIBIT NITRIFICATION UNDER DIFFERENT TEMPERATURE AND PH CONDITIONS,
EVANGELIA S. Papadopoulou

PP012 HOW CULTIVARS, TERROIR AND VINIFICATION STRATEGIES AFFECT MICROBIAL SUCCESSION IN THE VINIFICATION OF THE GREEK CULTIVARS RODITIS AND SIDERITIS
Dimitrios Karpouzas

PP013 BIOLOGICAL CONTROL OF COLLETOTRICHUM ACUTATUM, CAUSAL AGENT OF OLIVE ANTHRACNOSE
Maria Varveri

PP014 IN VITRO EVALUATION OF 10 ESSENTIAL OILS AGAINST ASPERGILLUS CARBONARIUS AND THEIR EFFECTS ON OCHRATOXIN A RELATED ACLAEA GENE EXPRESSION
Maria Iliadi

PP015 EVALUATION OF EPIPHYTIC GRAPE YEASTS FOR THE CONTROL OF ASPERGILLUS CARBONARIUS AND OCHRATOXINS IN GRAPES
Dimitrios Tsitsigiannis



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PP016 THE TRANSCRIPTIONAL EFFECTS OF BACILLUS VELEZENSIS K165 VOLATILE ORGANIC COMPOUNDS ON ARABIDOPSIS THALIANA AND THEIR PLANT PROTECTIVE ACTIVITY AGAINST BOTRYTIS CINerea
Aikaterini Kokmotou

PP017 VINEYARD SOIL BACTERIAL COMPOSITION AND ITS RELATION TO GEOGRAPHIC LOCATION
Christiana Hadjimichael

PP018 EVALUATION OF INTEGRATED PEST MANAGEMENT (IPM) STRATEGIES FOR THE CONTROL OF ALTERNARIA LEAF BLIGHT IN CARROTS
Charikleia Kavroumatzi

PP019 MOLECULAR PHYLOGENETICS OF SIX MARINE MICROALGAE STRAINS FROM GREEK TRANSIENT WATERS
Aikaterini Koletti

PP020 A STUDY OF THE BACILLUS VELEZENSIS K165 MEDIATED RESISTANCE AGAINST VERTICILLIUM DAHLIAE, BOTRYTIS CINerea AND HYALOPERONOSPORA ARABIDOPSIDIS AND THE ROLE OF HISTONE ACETYLTRANSFERASES IN BIOCONTROL
Sotirios Tjamos

PP021 EARLY TRANSCRIPTIONAL RESPONSES OF ARABIDOPSIS TO VERTICILLIUM DAHLIAE INFECTION AND ENHANCEMENT OF PLANT IMMUNITY BY DEAD CELLS OF THE PATHOGEN
Maria Frantzeska Triviza

PP022 BACILLUS VELEZENSIS K165 VOLATILE ORGANIC COMPOUNDS ACTIVATE CHITIN PERCEPTION PATHWAY TO ENHANCE PLANT DISEASE RESISTANCE AGAINST VERTICILLIUM
Eirini Poulaki

PP023 BIOLOGICAL CONTROL OF ASPERGILLUS CARBONARIUS AND BOTRYTIS CINerea IN GRAPEVINE BERRIES
Aikaterini Kokmotou

PP024 GENETIC CHARACTERIZATION AT THE SPECIES AND SYMBIOVAR LEVEL OF SEED BORNE RHIZOBIA ISOLATED FROM POT-GROWN COMMON BEAN NODULES
Evodia Efstathiadou

PP025 MICROBIAL DIVERSITY DURING THE SPOILAGE OF EDIBLE FRESH BROWN ALGAE
Eirini Schoina

PP026 CHARACTERIZATION OF FUNGI ASSOCIATED WITH OLIVE FRUIT ROT AND OLIVE OIL DEGRADATION IN CRETE, SOUTHERN GREECE
Emmanouil Markakis

PP027 THE EFFECT OF FEEDING INTENSITY ON MICROBIOME COMPOSITION IN AN INTEGRATED KOI CARP-SAGE RECIRCULATING MULTI-TROPHIC PRODUCTION SYSTEM
Dimitris Skliros

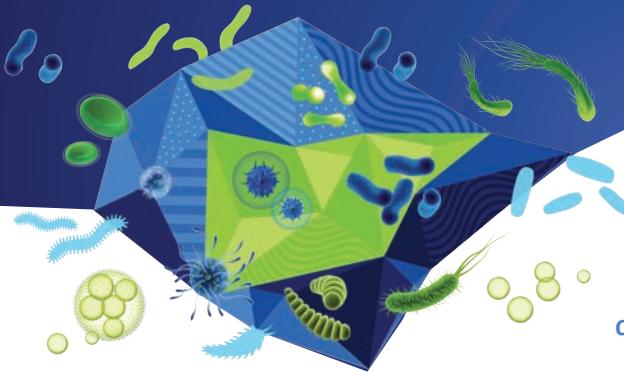
PP028 GENETIC DIVERSITY OF CLAVIBACTER MICHIGANENSIS SUBSP. MICHIGANENSIS STRAINS ISOLATED FROM TOMATO CROPS IN GREECE
Dimitrios Goumas

PP029 QUALITY ASSESSMENT OF SEA BREAM AT DYNAMIC TEMPERATURE CONDITIONS THROUGH CONVENTIONAL AND INNOVATIVE TECHNIQUES
Paschalitsa Trifinopoulou

PP030 DIFFERENT FACTORS ARE OPERATIVE IN SHAPING VINE MICROBIOME ACROSS DIFFERENT GEOGRAPHICAL SCALES: BIOGEOGRAPHY, CULTIVAR OR TERROIR?, ELENI PAPADOPOULOU

PP031 CHARACTERIZATION OF THE SEABREAM BACTERIOME FROM WILD AND AQUACULTURE
Maria Lanara

PP032 THE NATIONAL SOIL GENE BANK OF THE REPUBLIC OF CYPRUS: THE IMPORTANCE OF SOIL GENETIC RESOURCES
Michalis Omirou

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PP034 CHARACTERIZATION OF THE CAUSATIVE AGENT OF RED SKIN LESIONS (RED SPOTS) IN SEA BREAM

Georgia Apostolopoulou

PP035 MICROBIAL COMMUNITIES SUCCESSION OF SEA BREAM FILLETS STORED UNDER VARIOUS CONDITIONS

Faidra Syropoulou

PP036 PLANT GROWTH PROMOTING RHIZOBACTERIA AS POTENTIAL BIOAGENTS AGAINST FUNGAL PATHOGENS

Ms Aikaterini Triantafyllou

PP037 THE EFFECT OF SUSTAINABLE INNOVATIVE FEED ON GROWTH PERFORMANCE, WELFARE STATUS AND EXTREME TEMPERATURE RESILIENCE OF KOI CARP

Chrysanthi Kalloniati

PP038 MICROBIAL COMMUNITIES OF FISH FROM LAKE KARLA

Ioannis Boziaris

PP039 APPLICATION OF FOURIER TRANSFORM INFRARED (FTIR) SPECTROSCOPY AND ELECTRONIC NOSE (E-NOSE) TO THE RAPID ASSESSMENT OF SEA BREAM FILLETS QUALITY

Anastasios Stamatiou

PP040 INSIGHTS INTO THE EFFECTS OF AGRONOMICAL MANAGEMENT PRACTICES IN ASPERGILLUS INCIDENCE AND CARPOSHERE'S MICROBIAL COMMUNITIES OF GRAPEVINE (CV. SYRAH)

Stefanos Testempasis

PP041 A NOVEL TETRA-PRIMER ARMS-PCR FOR THE DETECTION OF BCPO55 GENE MUTATIONS CONFERRING RESISTANCE TO ANILINOPYRIMIDINE FUNGICIDES IN BOTRYTIS CINerea AND USE OF CRISPR/CAS9 EDITING TO GENERATE RESISTANT MUTANTS

Georgios Sofianos

PP042 DEVELOPMENT OF NOVEL CULTIVATION METHODOLOGIES FOR MUSHROOMS PRODUCTION BY THE ENDANGERED SPECIES PLEUROTUS NEBRODENSIS

Georgios Koutrotsios

PP043 EXPLOITATION OF LOCALLY AVAILABLE LIGNOCELLULOSIC BY-PRODUCTS FOR THE CULTIVATION OF THE TROPICAL MILKY WHITE MUSHROOM CALOCYBE INDICA

Georgios Koutrotsios

PP044 WOLBACHIA - MEDFLY INTERACTIONS IN NOVEL GENOMIC BACKGROUNDS

Eleni Kotsadam

PP045 IN VITRO ANTAGONISTIC ACTIVITY OF RHIZOSPHERIC AND ENDOPHYTIC BACTERIA AGAINST SOIL BORNE PHYTOPATHOGENIC FUNGI

Christos Michas

PP046 ENDOPHYTISM OF HYPOCREALEAN ENTOMOPATHOGENIC FUNGI: RECENT INSIGHTS AND FUTURE PROSPECTS

Alexandra Kortsinoglou

PP047 ENDOPHYTIC STRAIN B. HALOTOLERANS HIL4 IS A PROMISING BIOLOGICAL CONTROL AGENT OF GRAY MOLD IN FRUIT WITH PLANT GROWTH PROMOTING POTENTIAL

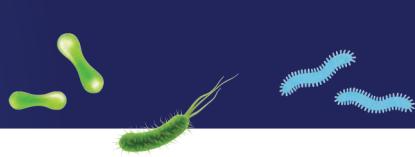
Eirini-Evangelia Thomloudi

PP048 GENOME MINING AND METABOLOMIC ANALYSIS OF THE ENDOPHYTE BACILLUS HALOTOLERANS CAL.L.30 PRESENTED SEVERAL SECONDARY METABOLITES THAT CONTRIBUTE TO POSTHARVEST BIOCONTROL OF BOTRYTIS CINerea

Polina Tsalgatidou

PP049 DEVELOPMENT OF CERATITIS CAPITATA VIENNA 8 GENETIC SEXING STRAINS HARBORING WOLBACHIA FOR IIT AND COMBINED IIT-SIT APPLICATIONS

Christos Chondrogiannis



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PP050 MICROBIOLOGICAL QUALITY AND SAFETY OF SALMON *Salmo salar*, SCALLOPS *Pecten maximus* AND SEAWEED *Alaria esculenta* CO-CULTURED IN AN INTEGRATED MULTITROPHIC AQUACULTURE (IMTA) SYSTEM
Anastasia Lytou

PP051 ENDO-ROOT MICROORGANISMS FROM ALOE VERA CULTIVATIONS IN LACONIA, GREECE WITH GROWTH PROMOTING PROPERTIES
Christina Nikolaou

PP052 BACTERIAL ENDOSYMBIOTS AND GENETIC STRUCTURE OF INSECTS ASSOCIATED WITH OLIVE GROVES AND VINEYARDS IN GREECE
Michael Papamargaritis

PP053 THE BIOCONTROL POTENTIAL OF TWO BACILLI RHIZOBACTERIA THROUGH THE PRODUCTION OF SURFACTINS AND FENGYCINS
Nathalie Kamou

PP054 EFFECT OF LABORATORY ADAPTATION PROCESS ON THE BACTERIAL COMMUNITY ASSOCIATED WITH THE MEDITERRANEAN FRUIT FLY, *CERATITIS CAPITATA*
Naima Bel Mokhtar

PP055 MINING THE POTENTIAL OF ENDOPHYTES AS THE NEXT GENERATION PLANT PROTECTION PRODUCTS: ISOLATION AND BIOACTIVITY ASSESSMENT OF THE OLIVE TREE ENDOPHYTE *BACILLUS SP. PTA13 LIPOPEPTIDES*
Evgenia-Anna Papadopoulou

POSTER SESSION 2 Biotechnology/Bioengineering

PP056 INSIGHTS ON THE SUBSTRATE SPECIFICITY OF AA9 AND AA16 LPMOS FROM THERMOTHELOMYCES THERMOPHILA
Koar Chorozian

PP057 INTEGRATION OF BIOCATALYSIS AND CHEMICAL PROCESSES FOR THE VALORIZATION OF LIGNOCELLULOSIC BIOMASS TOWARDS THE PRODUCTION OF 5-HYDROXYMETHYLFURFURAL
Grigoris Dedes

PP058 VALORIZATION OF SUPPLEMENTED COMPOST THROUGH COLONIZATION OF *AGARICUS BISPORUS* AND *A. SUBRUFESCENS* MUSHROOMS
Marianna Dedousi

PP059 BACTERIAL BIOSYNTHESIS OF LARGE COMBINATORIAL LIBRARIES OF CYCLIC OLIGOPEPTIDES AND DIRECT FUNCTIONAL SCREENING FOR DISCOVERING INHIBITORS OF PATHOGENIC PROTEIN AGGREGATION
Dafni Chrysanthi Delivoria

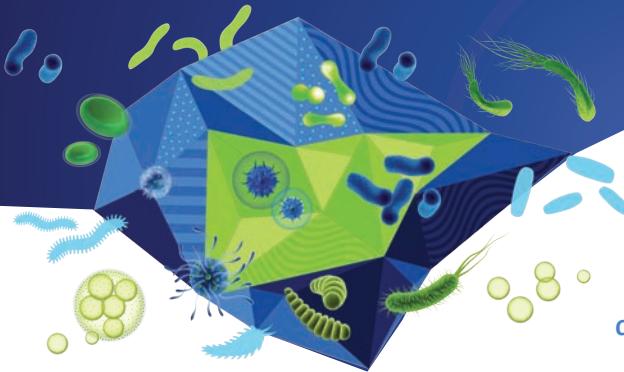
PP060 GENOME EDITING TOOLKIT OF ENDOPHYTIC *FUSARIUM SOLANI* STRAIN K USING CRISPR/CAS9
Nikolaos Delkis

PP061 VALORIZATION OF LIPID FERMENTATION WASTEWATER FOR MACERATION WATER FOR THE CULTIVATION OF *GANODERMA* MUSHROOMS
Ilias Diamantis

PP062 COMPARATIVE STUDY OF *AGARICUS* AND *PLEUROTUS* STRAINS FOR THEIR EFFICIENCY TO PRODUCE IMPORTANT BIOCHEMICAL COMPOUNDS
Panagiota Diamantopoulou

PP063 TARGETED ENZYMIC HYDROLYSIS: TOWARDS A MORE EFFICIENT UTILIZATION OF CORN FEEDSTOCK AS ANIMAL FEED
Christina Ferousi

PP064 NOVEL DEEP-SEA SAMPLING AND EXPERIMENTATION SYSTEM FOR HYDROCARBON BIOREMEDIAL MONITORING UNDER IN SITU CONDITIONS
Efsevia Fragkou

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PP065 CHARACTERISATION OF TWO NOVEL B-1,3-1,4-GLUCANASES FROM THE THERMOPHILIC BACTERIUM SPIROCHAETA THERMOPHILA DSM6578

Anastasia Galanopoulou

PP067 DYNAMIC ANALYSIS OF BLOOD MICROBIOME IN PATIENTS WITH SCHIZOPHRENIA

Marianthi Logothethi

PP068 SCREENING METHODOLOGY FOR DETECTION OF NOVEL ANTIMICROBIAL SECONDARY METABOLITES

Georgia Ntrompogianni

PP069 BIOCATALYTIC ENHANCEMENT OF THE ANTIMICROBIAL AND ANTIOXIDANT ACTIVITY OF GREEN MARINE ALGAE EXTRACTS

Haralambos Stamatis

PP070 BIOTECHNOLOGICAL VALORIZATION OF SECOND CHEESE WHEY BY OLEAGINOUS YEASTS FOR PRODUCTION OF CELL BIOMASS AND METABOLITES

Gabriel Vasilakis

PP071 SUPTOXR AND SUPTOXR2.0: SPECIALIZED ESCHERICHIA COLI STRAINS FOR RECOMBINANT MEMBRANE PROTEIN PRODUCTION AT HIGH YIELDS

Eleni Vasilopoulou

PP072 COMPARATIVE GENOMIC ANALYSIS OF IPRODIONE-DEGRADING BACTERIA REVEALS GENETIC ELEMENTS AND INTERACTIONS INVOLVED IN THE DEGRADATION OF IPRODIONE

Alexandros Zafranas

PP073 DISCOVERY OF NEXT-GENERATION LEAD ANTIBIOTICS TO COMBAT ANTIMICROBIAL RESISTANCE BY COMBINING A BIOSYNTHETIC BACTERIAL PLATFORM AND HIGH-THROUGHPUT SCREENING METHODOLOGIES

Dimitra Zarafeta

PP074 STRUCTURAL AND BIOCHEMICAL INSIGHTS INTO A CE16 ACETYL ESTERASE FROM THERMOTHELOMYCES THERMOPHILUS

Christina Pentari

PP075 ISOLATION AND CHARACTERIZATION OF CARBAZOLE DIOXYGENASE DRIVING THE TRANSFORMATION OF THIABENDAZOLE

Konstantina Rousidou

PP076 MAGNETIC MICROALGAE PRODUCTION FOR IMMOBILIZATION ONTO MAGNETIC SURFACES

Maria G. Savvidou

PP077 DISSECTING THE FUNCTIONAL ROLE OF MICROBES IN BIOREACTORS PRODUCING BIOMETHANE USING GENOME CENTRIC METATRANSCRIPTOMICS

P. Koulias

PP078 GENETIC AND FUNCTIONAL ANALYSIS OF THE ZYMMOMONAS MOBILIS STRAIN CP4 PLASMIDS

Prokopios Gerantonis

PP080 SECRETOME ANALYSIS OF TWO GREEK BASIDIOMYCETE WILD STRAINS GROWN ON CORN STOVER REVEALED TWO NOVEL LACCASES WITH SUPERIOR PROPERTIES

Anastasia Zerva

POSTER SESSION 3

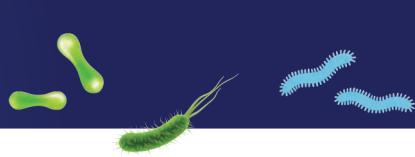
Environment

PP081 OVERVIEW AND BENCHMARKING OF AMPLICON-ORIENTED BIOINFORMATICS TOOLS, FOR PREDICTING FUNCTIONAL FEATURES OF MICROBIAL COMMUNITIES, AND THEIR COMPARISON WITH SHOTGUN METAGENOMIC DATA ANALYSIS

Christina Pavloudi

PP082 ENDOPHYTIC FUNGI OF CANNABIS SATIVA AND THEIR POTENTIAL BIOTRANSFORMATION PROPERTIES

Zacharoula Gonou-Zagou



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PP083 BIODEGRADATION OF ENVIRONMENTAL POLLUTANTS: A BIOINFORMATICS APPROACH
Marina Giannakara

PP084 ISOLATION, CHARACTERIZATION AND APPLICATION OF A MYCOSphaerella TASSIANA FUNGAL ISOLATE FOR THE REMOVAL OF IMAZALIL FROM AGRO-INDUSTRIAL EFFLUENTS
Christina Papazlatani

PP085 UPGRADE OF AGRO-INDUSTRIAL WASTES INTO PROTEINACEOUS ANIMAL FEED BY SOLID STATE FERMENTATION
Dimitrios Arapoglou

PP086 COMPARISON OF HYDROCARBON-DEGRADING CONSORTA FROM SURFACE AND DEEP WATERS OF THE EASTERN MEDITERRANEAN SEA: CHARACTERIZATION AND DEGRADATION POTENTIAL
Georgia Charalampous

PP087 INITIAL REASSESSMENT OF THE DIVERSITY OF THE GENUS AGARICUS (AGARICACEAE, BASIDIOMYCOTA) IN GREECE BY USING MORPHOANATOMIC AND PHYLOGENETIC APPROACHES
Elias Polemis

PP088 DIVERSITY, PHYLOGENY AND CHEMICAL CHARACTERIZATION OF TUBER SPECIES FROM GREECE – ESTABLISHMENT OF FUNGAL INOCULA TO FOSTER TRUFFLE CULTIVATION ON NATIVE PLANTS
Vassileios Daskalopoulos

PP090 EXPLOITING THE UNIQUE MICROBIAL DIVERSITY OF ETOLIKO LAGOON TO IMPROVE OUR UNDERSTANDING OF THE MICROBIAL COMMUNITY ASSEMBLY, EVOLUTION, AND GLOBAL CARBON CYCLE IN SEDIMENTS
Ioannis Galiatsatos

PP091 INACTIVATION OF ANTIBIOTIC RESISTANT BACTERIA IN WATER BY ADVANCED SOLAR APPLICATIONS: ASSESSMENT OF PROCESS VARIABLES EFFECTS & ELIMINATION OF ANTIBIOTIC RESISTANCE GENES
Iosifina Gounaki

PP092 EFFECTS OF APPLICATION OF SEWAGE SLUDGE TREATED WITH CLAY MINERALS AND BIOCHAR ON MICROBIAL AND CHEMICAL PROPERTIES OF TWO SOILS CULTIVATED WITH A GRASS AND A LEGUME
Ioannis Ipsilantis

PP093 DISSECTION OF MEDITERRANEAN FOREST SOIL LIGNOCELLULOSE-DEGRADING ACTIVITY
Maria Kalntremtziou

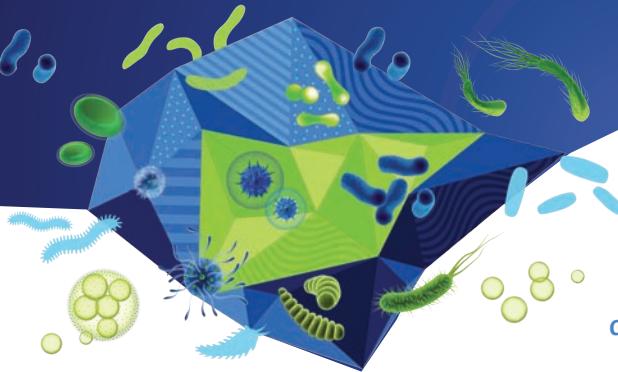
PP094 PREDICTED OCCURRENCE OF ANTIBIOTIC RESISTANCE IN GROUNDWATER RESOURCES THROUGH IN SILICO ANALYSIS OF PUBLICLY AVAILABLE METAGENOMES
Ioannis Kampouris

PP095 EPIBIOTIC MICROBIAL DIVERSITY OF MEDITERRANEAN LOGGERHEAD SEA TURTLES
Lucija Kanjer

PP096 CITIZEN SCIENCE AND RESEARCH ON MUSHROOM DIVERSITY: NEW REPORTS OF FIRST RECORDS IN GREECE CONFIRMED BY DNA SEQUENCING
Elias Polemis

PP097 FOLLOWING THE ROUTE OF VETERINARY ANTIBIOTICS TIAMULIN AND TILMICOSIN FROM LIVESTOCK FARMS TO AGRICULTURAL SOILS
Eleni Katsivelou

PP098 DIVERSITY OF CULTIVATED MICROORGANISMS ISOLATED FROM TWO-PHASE OLIVE MILL WASTE AND EVALUATION OF THEIR ENZYME ACTIVITIES
Vasiliki Fryssouli



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PP099 3,4-PROTOCATECHIC ACID DIOXYGENASE: A POINT MUTATION CHANGES THE GAME
Epameinondas Tsagogiannis

PP100 CULTIVATION OF THE FRESHWATER COMPLEX MICROALGAE-CYANOBACTERIA AND INVESTIGATION OF ASSOCIATED INTERACTIONS
Khaoula Lassoued

PP101 PLANT GROWTH PROMOTING MICROBES FROM ROOTS AND RHIZOSPHERES OF INDIGENOUS DRYLAND PLANTS TO BE USED IN QUARRY RESTORATION OPERATIONS IN A TYPICAL INDUSTRY-DEGRADED ECOSYSTEM OF MILOS (GREECE)
Georgios Leventis

PP102 ASSESSING THE TOXICITY OF PESTICIDES ON NATURAL SOIL AND PLANT ASSEMBLAGES OF AMF
Anna Manukyan

PP103 DECIPHERING THE ROLE OF A NOVEL DIOXYGENASE OF THE VOC FAMILY FROM PSEUDARTHROBACTER PHENANTHRENIVORANS SPHE3
Orfeas Marinakos

PP104 CULTIVATION OF PLEUROTUS ERYNGII MUSHROOM ON ENRICHED AGRICULTURAL RESIDUES
Eirini-Maria Melanouri

PP105 EFFECT OF SMALL ORGANIC ACIDS ON BACTERIAL CELLULOSE YIELD AND MECHANICAL PROPERTIES
Marija Mojicevic

PP106 VERTICAL AND TEMPORAL VARIATIONS OF BACTERIAL COMMUNITY COMPOSITION IN SHALLOW SURFACE SEDIMENT OF EUTROPHIC LAKE PAMVOTIS IN NW GREECE
Stefanos Moschos

PP107 BIOPROCESSING OF FLUDIOXONIL-CONTAINING WASTEWATERS IN AN IMMOBILIZED CELL REACTOR UNDER LOW DISSOLVED OXYGEN CONDITIONS
Spyridon Ntougias

PP108 SEARCHING FOR NOVEL MICROORGANISMS AND ENZYMES FOR POLYURETHANE DEGRADATION
Brana Pantelic

PP109 ASSESSING THE TOXICITY OF BIOPESTICIDES ON SOIL MICROBIOTA USING A MODIFICATION OF THE OECD 216 TEST
Alexandre Pedrinho

PP110 ENHANCED BIODEGRADATION IN SOIL OF THE VETERINARY ANTIBIOTIC TIAMULIN: ISOLATION OF TIAMULIN-DEGRADING BACTERIA
Chiara Perruchon

PP111 THE ECTOMYCORRHIZAL GENUS XEROCOMELLUS (BOLETACEAE, BASIDIOMYCOTA) IN GREECE – INTERESTING FINDINGS INCLUDING FIRST NATIONAL RECORDS AND ONE SPECIES NEW TO SCIENCE
Elias Polemis

PP112 ASSESSING THE EFFECTS OF MICROPLASTICS ON THE SOIL MICROBIOTA: THE PROJECT MINAGRIS
Foskea Raavel

PP113 CAN PGP BACTERIA HELP PLANTS DEAL WITH FLOODS CAUSED BY THE CLIMATE CHANGE?
Helena Senko

PP115 IMMOBILIZATION OF AEROBIC BACTERIA ON VARIOUS CARRIERS FOR OIL BIODESULFURIZATION
Marinos Stylianou



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PP116 POSITIVE FEEDBACKS OF WHOLE RHIZOSPHERIC MICROBIAL COMMUNITY INOCULATION ON PLANT PERFORMANCE AND FITNESS OF THREE LEGUME SHRUBS GROWN ON BARREN QUARRY DEPOSITS

Dr Myrto Tsiknia

PP117 DEPTH-DRIVEN ALTERATIONS IN VIRAL LYtic COMMUNITY COMPOSITION AND PRODUCTION RATES IN OFFSHORE OLIGOTROPHIC WATERS

Anastasia Tsiola

PP118 SHOTGUN METAGENOMICS ASSESSMENT OF THE RESISTOME, MOBILOME, PATHOGEN DYNAMICS AND THEIR ECOLOGICAL CONTROL MODES IN FULL-SCALE URBAN WASTEWATER TREATMENT PLANTS

Sotirios Vasileiadis

POSTER SESSION 4

Food/Nutrition

PP119 MONITORING THE ACTIVITY OF AN INNOVATIVE SURFACTANT BASED ON TiO₂ NANOPARTICLES AGAINST FOODBORNE PATHOGENS IN LABORATORY SCALE AND IN FOOD INDUSTRY

Agapi Doulgeraki

PP120 IMMUNOMODULATING ACTIVITY OF PLEUROTUS ERYNGII FOLLOWING ITS IN VITRO FERMENTATION BY HUMAN FECAL MICROBIOTA, MARIGOULA VLASSOPOULOU

PP121 IN VIVO GENOPROTECTIVE PROPERTIES OF PLEUROTUS ERYNGII HOT WATER EXTRACT

Athina Boulaka

PP122 EFFECT OF DAILY CONSUMPTION OF A NOVEL BISCUIT ENRICHED WITH PLEUROTUS ERYNGII MUSHROOM POWDER ON INTESTINAL HEALTH-RELATED PARAMETERS: A CROSS-OVER, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED CLINICAL STUDY

Evangelia N. Kerezoudi

PP123 THE EFFECT OF VINTAGE AND GRAPE CULTIVAR ON WINE YEAST COMMUNITY COMPOSITION

Aspasia Nisiotou

PP124 BIODIVERSITY OF THE WINE YEAST TORULASPORA DELBREUCKII POPULATIONS ACROSS GREEK VINEYARDS

Georgios Banilas

PP125 DEVELOPMENT OF FOOD PRODUCTS ENRICHED WITH PROBIOTIC CULTURES EMBEDDED IN PREBIOTIC MATRICES

Ioannis Papageorgopoulos

PP126 EFFECT OF HIGH PRESSURE COMBINED WITH TEMPERATURE ON THE SHELF LIFE OF ORANGE JUICE CONTAMINATED WITH ALICYCLOBACILLUS ACIDOTERRESTRIS SPORES

Patra Sourri

PP127 RAPID SPOILAGE ASSESSMENT OF CHICKEN BURGERS AT ISOTHERMAL AND DYNAMIC TEMPERATURE CONDITIONS BY FOURIER TRANSFORM INFRARED SPECTROSCOPY (FT-IR)

Chrysoula Tassou

PP128 OCCURRENCE OF THE MOST COMMON MYCOTOXINS FOUND IN CEREALS AND CEREAL-BASED FOOD PRODUCTS: A REVIEW STUDY

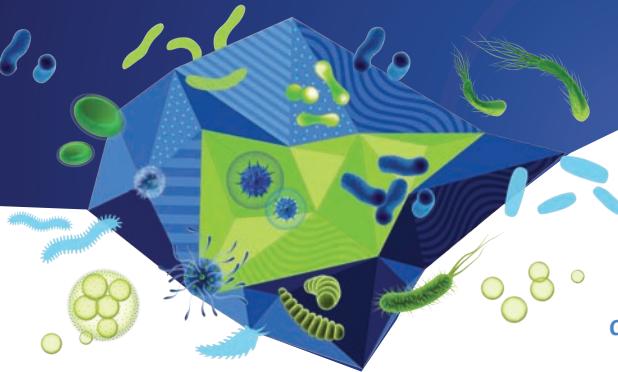
George Froutis

PP129 VOLATILOME OF OCHRATOXIGENIC FUNGI INTERACTED WITH SACCHAROMYCES CEREVISIAE

Stamatina Ioanna Panagoulakou

PP130 USE OF FOURIER-TRANSFORM INFRARED SPECTROSCOPY IN TANDEM WITH MACHINE LEARNING FOR THE ESTIMATION OF MICROBIOLOGICAL QUALITY OF CHICKEN LIVER IN THE EVENT OF SALMONELLA CROSS-CONTAMINATION

Dimitra Dourou

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PP131 IDENTIFICATION OF AEGINA'S PISTACHIOS YEAST FLORA AND INVESTIGATION OF INTERACTION WITH MYCOTOXIN PRODUCING FUNGI ASPERGILLUS FLAVUS AND ASPERGILLUS CARBONARIUS
Efstathios Panagou

PP132 LUMINOUS PHOTOBACTERIUM SPP. IN CHICKEN MEAT SPOILAGE: GROWTH PATTERNS AND GENOTYPIC DIVERSITY
Stamatia Vitsou-Anastasiou

PP133 THE POSITIVE EFFECT OF CORN OIL ON NUTRITIONAL ATTRIBUTES OF PLEUROTUS MUSHROOMS
Katerina Fourtaka

PP134 YEAST DIVERSITY OF FERMENTED GREEK TABLE OLIVES BY METAGENOMIC ANALYSIS INDICATES OLIVE VARIETY AND DESIGNATION OF GEOGRAPHICAL ORIGIN
Athena Grounta

PP135 MICROBIAL DYNAMICS DURING FERMENTATION OF BLACK OLIVES CV. KONSERVOLIA FROM DIFFERENT ALTITUDES OF FTHIOTIDA REGION EVALUATED BY CULTURE-DEPENDENT AND -INDEPENDENT METHODS
Konstantinos Nychas

PP136 IMMOBILIZED PROBIOTICS AS EFFECTIVE DELIVERY VEHICLES ENSURING CELL SURVIVAL UNDER SIMULATED GASTROINTESTINAL TRANSIT
Grigoris Nelios

PP137 THE EFFECT OF SWEETENERS ADDITION ON LISTERIA MONOCYTOGENES AND SALMONELLA ENTERITIDIS GROWTH DYNAMICS
Evanthia Manthou

PP138 MONITORING GROWTH AND BACTERIOCIN GENE TRANSCRIPTION OF STARTER AND BIOPROTECTIVE ADJUNCT LAB STRAIN MIXTURES IN MODEL MILK FERMENTATIONS
Stamatia Asimakoula

PP139 RESISTANT STARCH DRIVES GUT MICROBIOME CHANGES AND AMELIORATES NAFLD PROGRESSION: A RANDOMIZED, DOUBLE-BLINDED CLINICAL STUDY
Emmanouil Nychas

PP140 BIOFILM REMOVAL ACTIVITY OF WILD TYPE LACTIC ACID BACTERIA
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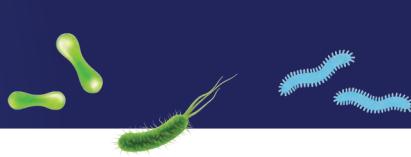
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The poster presentations will be available during the entire duration of the Conference

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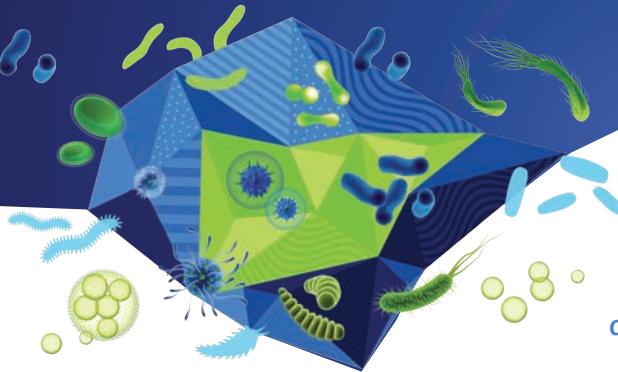
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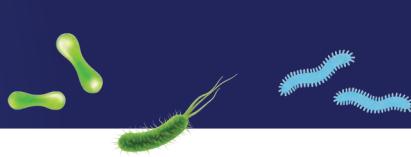
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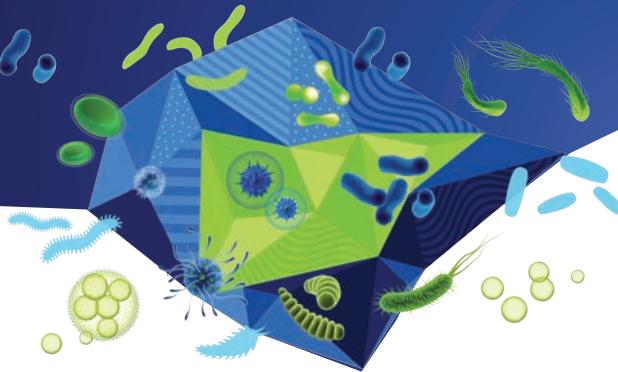

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General Information



Congress Dates

16-18 December 2021.

The conference will be held in physical presence



Conference Venue

Agricultural University of Athens (AUA).

The Conference will be held at the University's Auditorium.



Secretariat Opening Hours

The Conference Secretariat will be operating in the Conference venue according to the following time schedule for the provision of support to Participants, Speakers and Sponsors.

Thursday, 16 December 2021 → 10.30 – 19.30

Friday, 17 December 2021 → 08:30 – 19:30

Saturday, 18 December 2021 → 08:30 – 14:00



Certificates Of Attendance

Certificates of Attendance will be sent out electronically to all registered participants after the end of the Conference. A prerequisite for the receipt of the Certificate is the completion and submission of the online evaluation form.



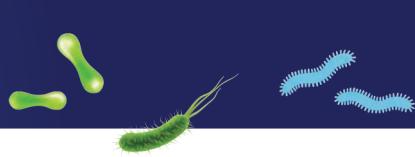
Scientific Program Sessions

For the smooth flow of the scientific program, it is kindly requested that: Speakers limit their lecture within the predetermined duration and abstract presenters (oral presentations) within 15 minutes in total. Moderators adhere to the time frame of the session they are chairing, ensuring the necessary time for discussion, and encouraging questions from the audience.



Speakers Preview Desk

All Speakers are kindly requested to have their presentations available in electronic format (USB sticks). The use of personal computers and tablets is not allowed. All presentations will be delivered at least two (2) hours before the start of the session to the authorized personnel that staffs the Speakers Preview Desk, which will be located at the Conference Venue for the whole duration of the Conference.



General Information



Congress Official Language

The official language of the Conference is English. Translation in Greek or any other language is not provided.



Covid-19 Notification

The 9th Conference of Mikrobiokosmos takes place in full compliance with the current Health Protocols for the organization of conferences set by all component authorities and has a hybrid form. In this respect, all necessary guidelines regarding safety distances and maximum space capacity will be respected. At the same time, the Congress will be broadcasted via live streaming in 2 other conference halls in order to avoid

COVID PROTOCOL DURING THE CONGRESS DATES

Following the relevant health protocols please note that, the Conference Venue will be accessible to:

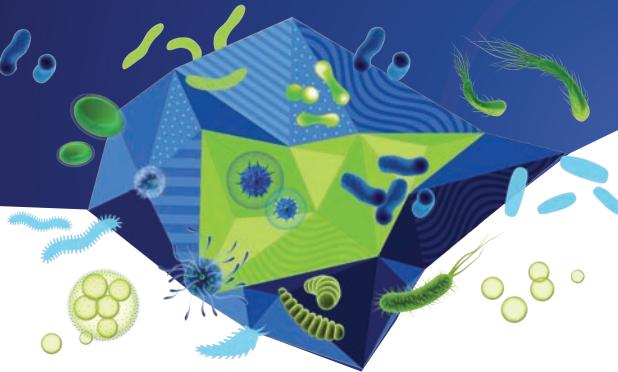
- Participants who have certification of vaccination (with the final dose administered at least 14 days prior)
- Participants who have documentation proving that they have recovered from the virus (dated within three months of the event)



Disclaimer

The Organizing Committee and the PCO, AFEA Travel & Congress Services accept no liability for any personal injury, loss or damage of property or additional expenses incurred to congress participants either during the congress or as a result of delays, strikes or any other circumstances. In addition, they accept no liability for illness (including death) from infectious diseases, including but not limited to COVID-19 during or after the Congress dates. Participants are requested to make their own arrangements with respect to health and travel insurance.





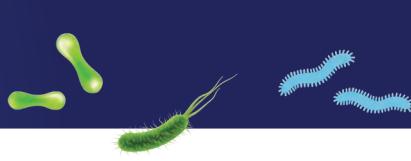
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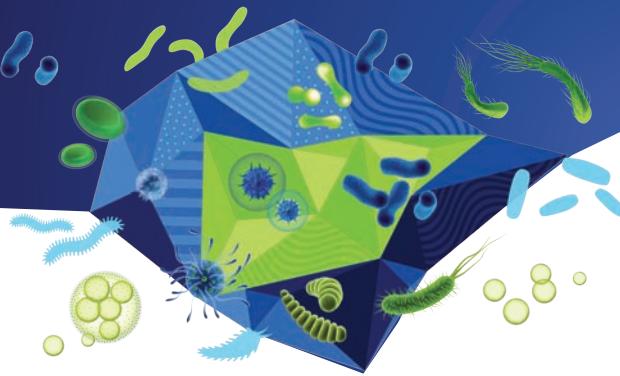
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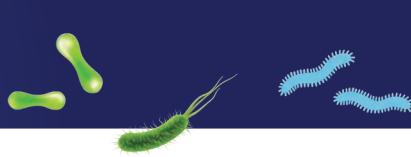
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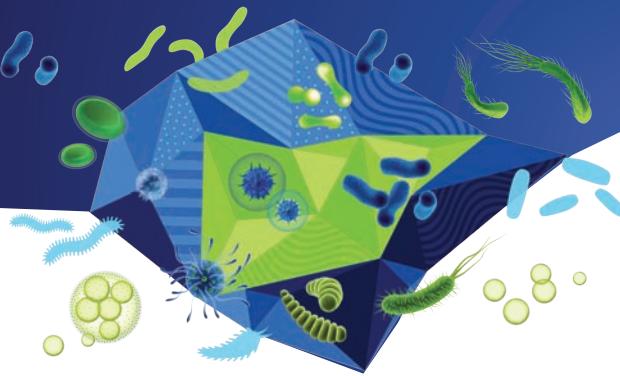
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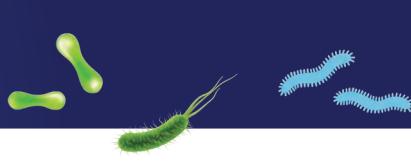


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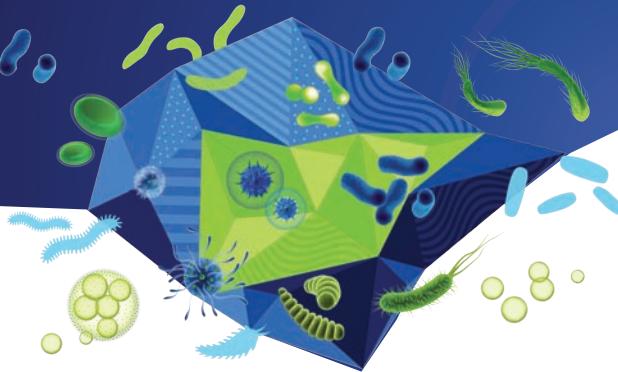
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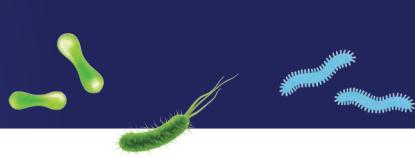
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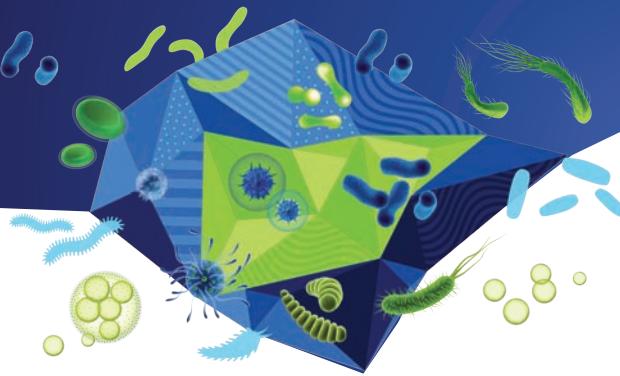
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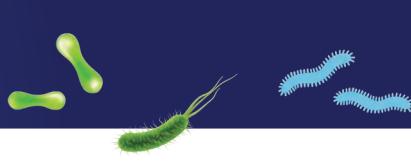
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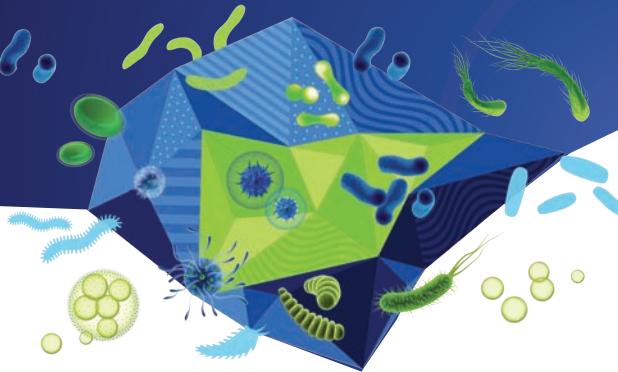
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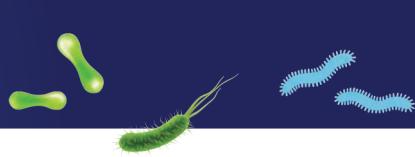
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