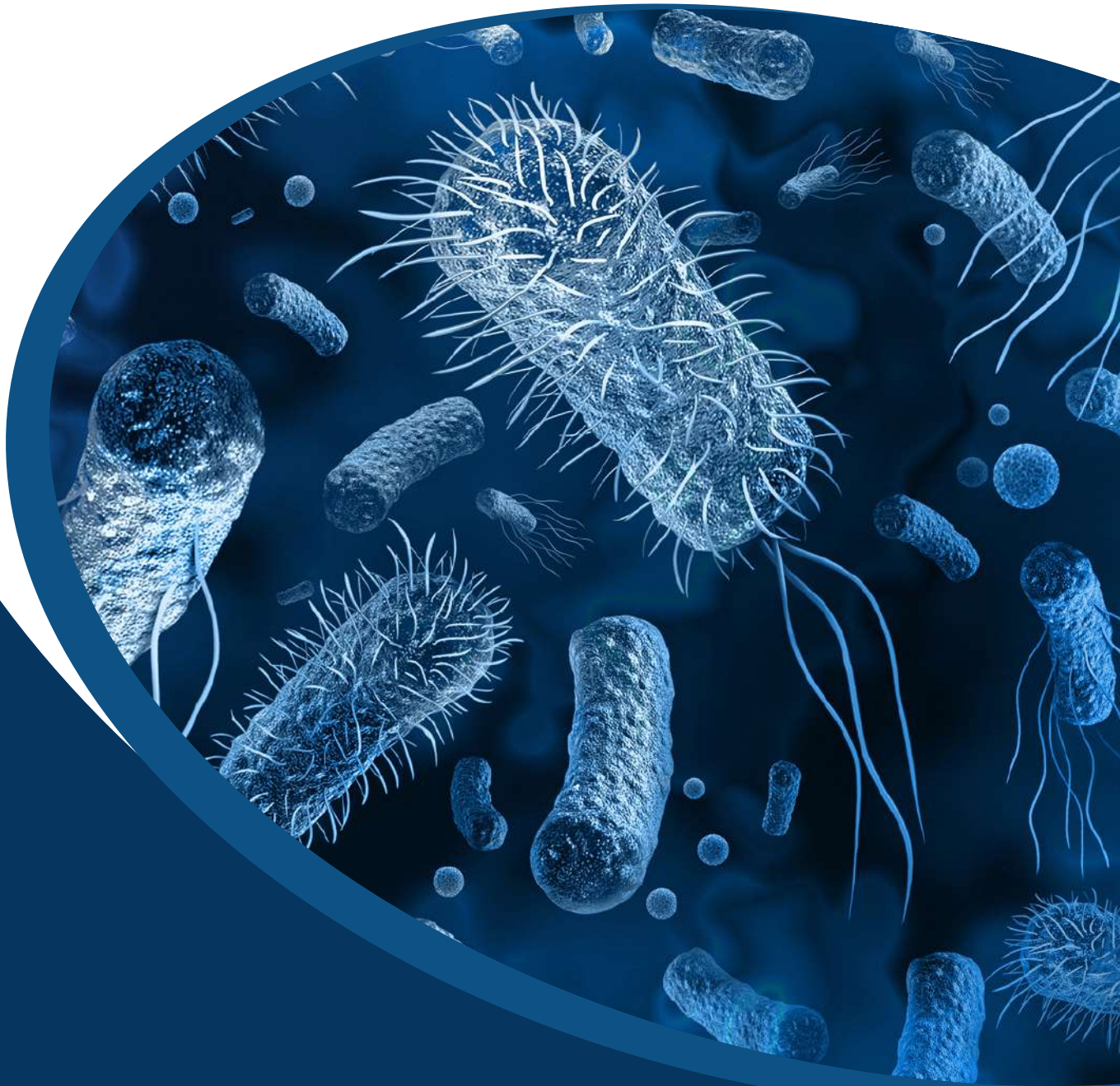
Coalesce Research Group

4th International Conference on

APPLIED MICROBIOLOGY AND BENEFICIAL MICROBES

November 07-08, 2022 | Millennium Hotel Paris Charles De Gaulle Paris, France



Scientific Program

4th International Conference on

Applied Microbiology and Beneficial Microbes

Monday
November 07, 2022

Day 1 November 07, 2022	
09:00-09:40	Registrations
09:40-10:00	Introduction
Keynote Presentations	
10:00-10:40	The Integration of FDG-PET/CT in the Diagnostic Workup of Infectious Diseases
	Ayelet Raz-Pasteur, Rambam Health Care Campus, Israel
10:40-11:20	Making Sticky Cells: Effect of The Combined Induction with Galactose and High Ferric Iron Concentrations on Extracellular Polymeric Substance Production and The Attachment of Acidithiobacillus Ferrooxidans to A Polymetallic Mineral Surface
	Paulina Aguirre, Universidad Técnica Particular de Loja, Ecuador
Group Photo (11:20-11:35)	
Networking and Refreshments (11:35-12.00)	
Oral Presentations	
Session Chairs:	**Wanessa CMA Melo,** Institute Center for Physical Sciences and Technology, Lithuania
	Lidia Sas Paszt, The National Institute of Horticultural Research, Poland
Session Co chair	**Serena Lima,** University of Palermo, Italy
Sessions:	Clinical Microbiology | Evolutionary Microbiology | Pharmaceutical Microbiology | Agricultural Microbiology | Microbial Biotechnology | Food Microbiology | Environmental Microbiology | Industrial Fermentation | Foodborne Diseases | Veterinary Microbiology | Microbial Biodeterioration of Materials | Molecular Microbiology | Plant Beneficial Microbes |
12.00 - 12.30	SBI - Scientific Bioprocessing Pioneers Digitally Simplified Bioprocessing
	Karinna Gerardo Chouman, SBI Scientific Bioprocessing Inc, Germany
12.30 - 13.00	How to Model Microbial Growth: The Example of Nannochloropsis Gaditana. Kinetic Parameters and Biochemical Analysis
	Serena Lima, University of Palermo, Italy
Lunch (13:00-14:00)	
14.00 - 14.30	How to Delimit Microbial Species: The Use of Single Copy Markers
	Angela Conti, University of Perugia, Italy
14.30 - 15.00	The Effect of Novel Sanitizers on Listeria monocytogenes Biofilms Growth and Survivability
	Valentina Trinetta, Kansas State University, USA
15.00 - 15.30	A Natural Technology for Vacuum-Packaged Cooked Sausage Preservation with Potentially Postbiotic-Containing Preservative
	Lucas Marques Costa, BRC Ingredientes Ltda, Brazil

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15.30 - 16.00	Potentially Postbiotic-Containing Preservative to Extend the Use-By Date of Raw Chicken Sausages and Semifinished Chicken Products
	Carlos Alberto Guerra, BRC Ingredientes Ltda, Brazil
Refreshments (16:00-16:30)	
16.30 - 17.00	From Dog to Dog: Potential Probiotic and Immunomodulatory Strains Isolated from Canine Milk
	Sandra Rayén Quilodrán, Universidad de Concepción, Chile
17.00 - 17.30	Actin Remodelling Controls Proteasome Homeostasis
	Adrien Rousseau, University of Dundee, UK
17.30 - 18.00	Emergence of Fungicide Resistance of Wheat Pathogen *Zymoseptoria tritici* in Estonia
	Andres Mäe, Estonian Crop Research Institute, Estonia
18.00 -18.30	Secondary Metabolites as Potential Therapeutical Molecules and Toxicants produced by Fungal Factories: Focus on *Agaricus subrufescens* and *Fusarium verticillioides*
	Dozolme Pascale, Université de Bordeaux, France
18.30 - 19.00	Innovative Biofertilizers and Beneficial Microbes Improving Yielding of Horticultural Crops and Soil Fertility
	Lidia Sas Paszt, The National Institute of Horticultural Research, Poland
19.00 - 19.30	Functional Intrinsic Disorder in The Regulation of Bacterial Toxin-antitoxin Systems
	Remy Loris, Vrije Universiteit Brussel, Belgium
Day 1 Concludes	

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Tuesday
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Day 2 November 08, 2022	
Keynote Presentations	
10:00-10:40	Novelties in Antimicrobial Photodynamic Therapy (aPDT): A Strategy to Overcome Biofilm Infections
	Wanessa CMA Melo, Institute Center for Physical Sciences and Technology, Lithuania
10:40-11:20	Arbuscular Mycorrhizal Fungi: Key Factors in Cereal Production Sustainability and Resilience
	Rosolino Ingraffia, University of Palermo, Italy
Networking and Refreshments (11:20-11:40)	
Oral Presentations	
Session Chairs:	**Miroslaw Sitarek,** The National Institute of Horticultural Research, Poland
	Sandra Rayén Quilodrán, Universidad de Concepción, Chile
Session Co-chair	**Paulina Aguirre,** Universidad Técnica Particular de Loja, Ecuador
Sessions:	Clinical Microbiology | Evolutionary Microbiology | Pharmaceutical Microbiology | Agricultural Microbiology | Microbial Biotechnology | Food Microbiology | Environmental Microbiology | Industrial Fermentation | Foodborne Diseases | Veterinary Microbiology | Microbial Biodeterioration of Materials | Molecular Microbiology | Plant Beneficial Microbes |
11:40-12:10	Statistical Optimisation of Polyhydroxyalkanoate Production by Pseudomonas Species for Their Potential Application in Medicine
	Vittoria Vecchiato, University of Westminster, UK
12:10-12:40	MinION Sequencing of Yeast Mock Communities to Assess The Effect of Databases and ITS - LSU Markers in The Reliability of Metabarcoding Analysis
	Debora Casagrande Pieranton, University of Perugia, Italy
12:40-13:10	Trypanosomatid Infections among Vertebrates of Chile
	Esteban Yefi-Quinteros, University of Chile, Chile
Lunch (13:10-14:00)	
14:00-14:30	High-intensity Blue Light Therapy for the Treatment of infected wounds
	Christian Opländer, University of Witten/Herdecke, Germany
14:30-15:00	Determination of *In vitro* Virulence of Salmonella Infantis and Enteritidis Strains Obtained in Poultry, in Caco-2 cells by The Cell Adhesion-invasion Method
	Maria Belen Cevallos Almeida, Central University of Ecuador, Ecuador
15:00-15:30	Public health problem in food safety and emergency medicine: The importance of detection of Frequency and Antimicrobial Resistance of Klebsiella pneumoniae in Greek raw meat products by molecular techniques.
	Dimitra Houhoula, University of West Attica, Greece
15:30-16:00	Boosting Hydrogen Production from Fermentation Effluent of Biomass Wastes in Cylindrical Single-chamber Microbial Electrolysis Cell
	Xiaohu Li, Beihang University, China

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Tuesday
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Refreshments (16:00-16: 30)	
16:30-17:00	Camelids Nanobodies: Usher in Fighting against Infections
	Mohammad Hossein Yazdi, Tehran University of Medical Sciences, Iran
17:00-17:30	E-BABE-The Analysis of Patients Data to Diagnose Brucellosis Disease with Data Mining [Case study: Patients of a Hospital in Tehran]
	Mohammad Vahid Sebt, Kharazmi University, Iran
17:30-18:00	Detection and Differentiation of Leishmania Parasites in Asymptomatic Canine by High-Resolution Melting Analysis of Microsatellite Fragment in ITS Gene
	Narmin Najafzadeh, Pasteur Institute of Iran, Iran
Poster Presentations	
AMICROB-P01	Design of a bioremediation system for removal of heavy metals from mining effluents from Portovelo-Zaruma, in Ecuador
	Paulina Aguirre, Universidad Técnica Particular de Loja, Ecuador
AMICROB-P02	Effect of Microbiologically Enriched Fertilizers on the Vegetative Growth and Yielding of 'Marmolada' Strawberry Plants Under Field Conditions
	Mirosław Sitarek, The National Institute of Horticultural Research, Poland
AMICROB-P03	Detection of Pregenomic RNA as A New Biomarker in Patients of Chronic Hepatitis B
	Martina Dubinová, Comenius University, Slovakia
AMICROB-P04	Assay Development for Detection of Pregenomic RNA of Viral Hepatitis B from Patient's Plasma
	Marek Straka, Comenius University, Slovakia
AMICROB-P05	Virulence Properties of Campylobacter Strains and Assessment The Correlation with Antibiotic Resistance
	Se-Yeoun Cha, Jeonbuk National University, South Korea
AMICROB-P06	An investigation of the microbial ecosystem of industrial Greek PDO cheese Sfela and the artisanal Sfela touloumotiri and Xerosfeli
	John Kapolos, University of Peloponnese, Greece
Offline E- Poster Presentations	
AMICROB-EP01	Novel Feather Degrading Keratinases from *Bacillus cereus* Group: Biochemical, Genetic and Bioinformatics Analysis
	Arwa Ali Almahasheer, Imam Abdulrahman Bin Faisal University, Saudi Arabia
AMICROB-EP02	Comparative Genomics Reveals An Abundance of Hydrolytic Enzymes and Secondary Metabolite Gene Clusters in The Fungal Genus Diaporthe
	Sandra Hilário, University of Aveiro, Portugal
Day 2 Concludes	
Panel Discussion - Awards & Closing Ceremony followed by Vote of Thanks	

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Monday
November 07, 2022

4th International Conference on
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Virtual Presentations	
November 07, 2022 | 11:00 BST	
11:00-11:15	Opening Ceremony and Introduction
Oral Presentations	
11:15-11:40	Analysis of Gut Microbiota Dysbiosis and KEGG Pathway in Parkinson's disease **Puqing Wang,** Hubei University of Medicine, China
11:40-12:05	Dissemination of Bacteria Associated with Nosocomial Infections in Public Hospital Environments in KwaZulu-Natal, South Africa **Linda A. Bester,** University of KwaZulu-Natal, South Africa
12:05-12:30	Comparative Analysis of Myxococcus and Streptomyces Genomes and Predatory Activities **Natashia Sydney,** Aberystwyth University, UK
12:30-12:55	Designing Stable Functional Food Ingredients Containing Immobilized Beneficial Microbes on Prebiotics **Yiannis Kourkoutas,** Democritus University of Thrace, Greece
12:55-13:20	Digging into The Priming Effect of Microbial Inoculants towards A More Sustainable Agriculture **Cristina Cruz,** University of Lisbon, Portugal
13:20-13:45	Ecological Insights into The Resilience of Marine Plastisphere Throughout A Storm Disturbance **Dzung Nguyen,** Eilat Campus, Israel
13:45-14:10	Root-associated Bacteria Enforce Cooperative Plant Stress Tolerance **Mohammadhossein Ravanbakhsh,** Utrecht University, Netherlands
14:10-14:35	Antimicrobial Resistance of Thermotolerant Campylobacter species Isolated from Multiple Sources **Federica Giacometti,** University of Bologna, Italy
14:35-15:00	Functionalized Graphene for Bacterial Disinfection and Phototherapy **Ganesh Gollavelli,** Jawaharlal Nehru Technological University, India
15:00-15:25	An Insight into Emerging Begomoviruses and Their Satellite Complex Causing Leaf Curl Disease in Carica papaya **Aarshi Srivastava,** Deen Dayal Upadhyaya Gorakhpur University, India
15:25-15:50	Green Synthesis of Zinc Oxide nanoparticles from *Nigella sativa* seeds to protect mung bean against Cercospora leaf spot **Zill-e-Huma Aftab,** University of the Punjab, Pakistan
15:50-16:15	*In vitro* Assessment of Marine Bacillus as New Potential Probiotic Against Pathogenic Vibrios **Mouna Jlidi,** University of Sfax, Tunisia
16:15-16:40	Leptospiral Biofilms in A One Health Perspective **Paula Ristow,** Federal University of Bahia, Brazil
16:40-17:05	Bacterial Diversity Associated with Primary Vector of Sylvatic Yellow Fever Virus in The Southeastern Atlantic Tropical Rain Forest, Brazil **Herculano da Silva,** University of São Paulo, Brazil
Day 1 Concludes	