



# 41<sup>st</sup> International Congress of the Society for Microbial Ecology in Health and Disease (SOMED)

14-15-16 JUNE 2022

HYBRID | Alexandroupolis, Greece

At

Astir Egnatia Alexandroupolis, Egnatia Park,  
68100 Alexandroupoli, Thrace, Greece



*microorganisms*

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*biomedicines*

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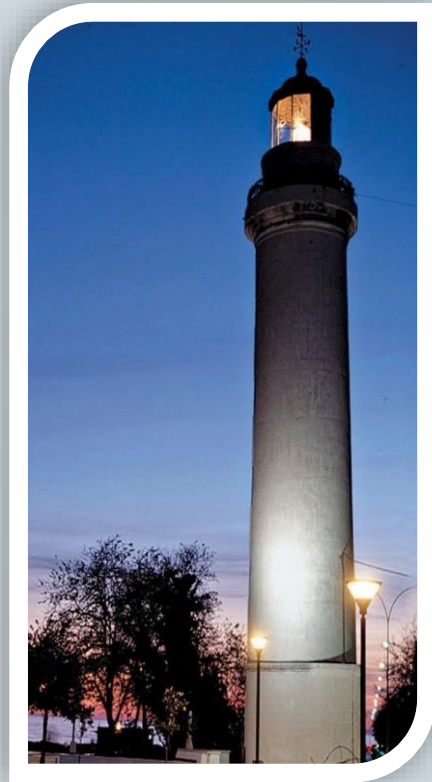
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# 41<sup>st</sup> International Congress of the Society for Microbial Ecology in Health and Disease (SOMED)

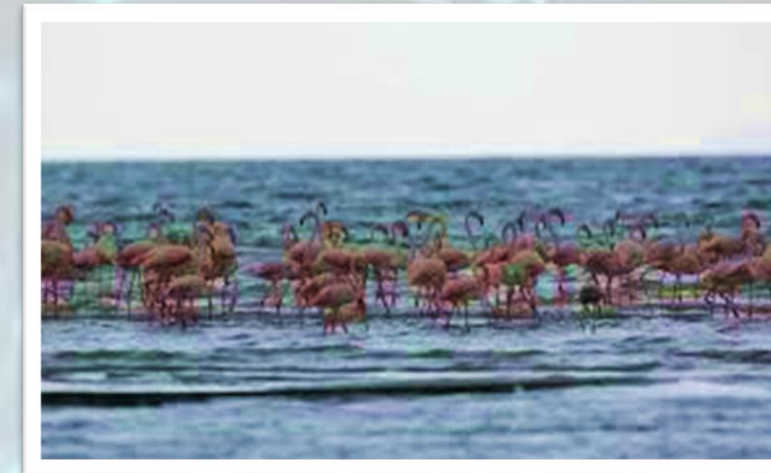
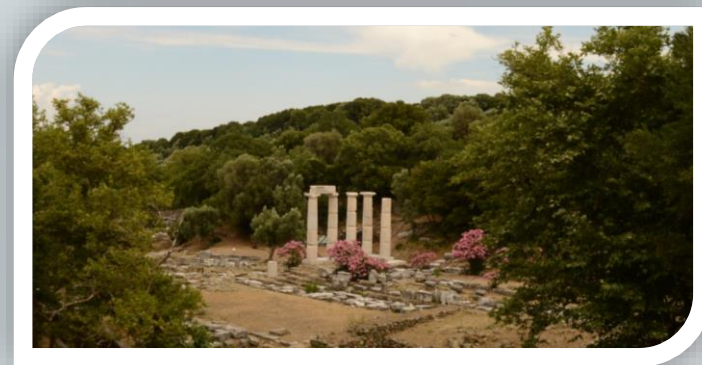


**14-15-16 JUNE 2022 | HYBRID**

**Alexandroupolis, Greece**

At

Astir Egnatia Alexandroupolis, Egnatia Park,  
68100 Alexandroupoli, Thrace, Greece



*Thrace is an area of amazing natural beauty; a land where Greek legend has placed the mythical home of Orpheus. Its pristine and beautiful countryside makes Thrace a great destination for outdoor recreation, adventure and exploration. Few of Thrace's natural landmarks include the Rhodopi mountain range and Mt. Saos on Samothrace Island; the rivers Evros, Nestos and Ardas; Dadia forest and the Evros River Delta where internationally acclaimed wetlands are located; fertile valleys, dense forests and endless stretches of white sandy beaches.*

Co-organized by:

*Society for Microbial Ecology and Disease*

*Democritus University of Thrace*

*Food Innovation, Research Infrastructure*

*FOODBIOMES, Research Infrastructure*

*Risk and Resilience Assessment Center (RiskAC-DUTH)*

*Municipality of Alexandroupolis*

*Prefecture of Eastern Macedonia - Thrace*





Dear colleagues,

We invite you to attend the 41<sup>st</sup> *INTERNATIONAL CONGRESS OF THE SOCIETY FOR MICROBIAL ECOLOGY IN HEALTH AND DISEASE (SOMED)*. The congress will be held from June 14 to 16<sup>th</sup> 2022 in the city of Alexandroupolis, Greece, and will be the 41st of a series of successful Congresses by our Society.

Our 41st Congress will bring together researchers with expertise across the many disciplines of Microbial Ecology, including but not limited to; *Clinical Microbial Ecology, Intestinal Microbial Ecology, Dental Microbial Ecology, Food Microbial Ecology, Environmental Microbial Ecology and Water Microbial Ecology*. Discussion will range from basic and applied Microbial Ecology, to lectures detailing cutting-edge research being conducted across the field. Special focus shall be given to COVID-19 and its relation to the human microbiome, food, and environment.

This year's congress aims to expand the knowledge-base of experts within the field, and to stimulate partnerships across faculties and international borders.

The Congress is co-organized by the Society for Microbial Ecology in Health and Disease, Food Innovation Infrastructure, FOODBIOMES Infrastructure, RiskAC (KEDIAK) and the Food, Nutrition and Microbiome master's program of the Democritus University of Thrace (DUTH).

The organizing committee has made all necessary arrangements for the accommodation of congress participants at the 5-star Egnatia Park Hotel in Alexandroupolis. While the Congress will largely be held in-person, certain hybrid sessions will be made available to remote participants via Zoom.

For more information concerning the submission of abstracts, attendee rates, and important dates please visit the [SOMED](https://www.somed.org) webpage or contact us through email at [somed@somed.nu](mailto:somed@somed.nu) or at the following numbers +30 6955419839 (Giorgi Elpida), +30 6947153707 (Stefanis Christos), +30 6981764907 (Christina Tryfonos).

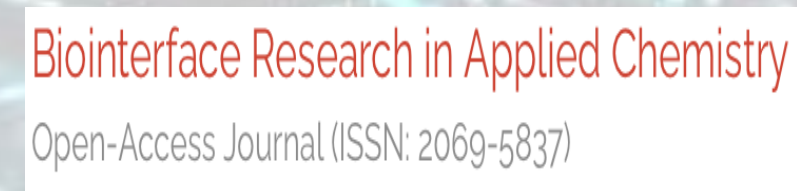
**Abstract submission deadline is April 30<sup>th</sup>.**

**Abstract Acceptance May 2<sup>nd</sup>.**

We are looking forward to a successful and enriching Congress for all in June 2022.

On behalf of the Organizing Committee  
The President, Prof. Eugenia Bezirtzoglou

**Selected presentations shall be published in the following scientific Journals:**





# CONGRESS COMMITTEES

## International Scientific Committee

- ◇ *Eugenia Bezirtzoglou* – President SOMED, Greece
- ◇ *Nadiya Boyko* – President-Elect, Ukraine
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- ◇ *Chrysa Voidarou*, Greece
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## Organizing Committee

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- ◇ *Theodoros Constantinidis*, Greece
- ◇ *Yiannis Kourkoutas* (Treasurer), Greece
- ◇ *Christina Tsigalou* (Secretary), Greece
- ◇ *Aikaterini Chatzaki*, Greece
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- ◇ *Ioannis Dokas*, Greece
- ◇ *Spyridon Ntougias*, Greece
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- ◇ *Elpida Giorgi*, Greece
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- ◇ *Christina Tryfonos*, Greece

## Organizing Secretariat

Laboratory of Hygiene and Environmental Protection, Medical School, Democritus University of Thrace.

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[christef7@med.duth.gr](mailto:christef7@med.duth.gr)

# CONGRESS PRELIMINARY PROGRAM

**1<sup>st</sup> DAY 14 JUNE 2022**

**9:30-10:00 UNIVERSITY AND LOCAL AUTHORITIES**

**10:00-12:30 ROUND TABLE: New Insights into the Microbiota in Health and Disease**

*co-organized with FOOD INNOVATION Research Infrastructure and Master 'Food, Nutrition and Microbiome' DUTH*

**Chair: Evangelos Giamarellos, Eugenia Bezirtzoglou, Dimitrios Bogdanos**

- **Prof Greub Gilbert, Centre Hospitalier Universitaire Vaudois(CHUV) and University of Lausanne, Lausanne, Switzerland**
  - To be announced
- **Prof Evangelos Giamarellos, National Kapodistrian University of Athens, Medical School, Department of Internal Medicine, Attikon University Hospital, Athens, Greece**
  - New insights in the pathogenesis and management of *C. difficile*.
- **Prof Benoit Guery, Centre Hospitalier Universitaire Vaudois(CHUV) and University of Lausanne, Lausanne, Switzerland**
  - Microbiota and *Clostridioides difficile* infection: do we understand what we do?
- **Prof Dimitrios Bogdanos, Medical School, University of Thessaly, Larissa, Greece**
  - Microbiome, immunity, autoimmunity: the Gordian knot.
- **Assoc Prof Paschalis Steiropoulos, Department of Pneumology, Medical School, Democritus University of Thrace, Alexandroupolis, Greece**
  - The role of microbiome in idiopathic pulmonary fibrosis.
- **Prof Reet Mandar, Medical School, University of Tartu, Tartu, Estonia**
  - Reproductive gut microbiota in the couples going to ART procedure.,
- **Prof Nadiya Boyko, Medicine Faculty, Uzhhorod National University & Cassovia Life Science, R&D Centre of Molecular Microbiology and Mucosal Immunology, Uzhhorod, Ukraine**
  - Clinical value of the human microbiome detection and targeted correction in the exact diagnostic and 3P medicine practical implementation.

**12:30-13:30 Oral presentations**

*co-organized with FOOD INNOVATION Research Infrastructure and Master 'Food, Nutrition and Microbiome' DUTH*

- **Elisavet Stavropoulou, Centre Hospitalier Universitaire Vaudois(CHUV), University of Lausanne, Lausanne, Switzerland and National Kapodistrian University of Athens, Medical School, Department of Microbiology, Athens, Greece**
  - Unveiling antimicrobial activity of honey.
- **Andreas Tzakos, University of Ioannina, Greece**
  - Repurposing a peptide coupling reagent for the rapid development of antimicrobial dressings for wound healing.

**13:30—15:00 Lunch (Poster presentations)**

**15:00 –17:00 Oral presentations**

- **Gratiela Gratișteanu, Department of Biology, University of Bucharest and ICUB, Bucharest, Romania**
  - A pilot study on the microbiome changes induced by SARS-CoV2 infection.
- **Ancuta Petronela, Department of Biology, University of Bucharest and ICUB, Bucharest, Romania**
  - SARS-CoV-2 Humoral and Cellular Immunity in a Cohort of Patients with Head and Neck Carcinoma.

**17:30—19:00 ROUND TABLE: Microbiome and COVID19**

*co-organized with FOOD INNOVATION Research Infrastructure and Master 'Food, Nutrition and Microbiome' DUTH*

**Chair: Athanassios Tsakris, Evangelia Nena, Christina Tsigalou**

- **Prof Tore Midtvedt Karolinska, Department of Microbial Ecology, Karolinska Institutet, Stockholm, Sweden**
  - Covid-19 and the gut microbiota.
- **Prof Athanassios Tsakris, National Kapodistrian University of Athens, Medical School, Department of Microbiology, Athens, Greece**
  - Vaccinations, infections and reinfections: Can we break the cycle?
- **Prof Carmen Chifiriuc, Department of Biology, University of Bucharest and ICUB, Bucharest, Romania**
  - Epidemiology of COVID-19 in Romania.
- **Assoc Prof Evangelia Nena, Department of Social Medicine, Medical School, Democritus University of Thrace, Alexandroupolis, Greece**
  - Epidemiology of COVID-19.

**2<sup>nd</sup> day 15 JUNE 2022**

**9:00-10:00 Meeting with Medical Students**

**Chair: Evangelia Nena, Christos Kontogiorgis**

- **Aikaterini Rokou, Anna Eleftheriou, Paschalis Steiropoulos**
  - Epidemiology of Tuberculosis infection.
- **Theofania Katsouli -Alexandra Mantzari -Evangelia Nena**
  - Epidemiology of Poliomyelitis.
- **Paraskevi Kitsiou – Evangelia Nena**
  - Epidemiology of Hepatitis B Virus infection.
- **Argiro Alevizaki, Athanasia Kostourou-Katsigianni, Chrysa Tsipou, Evangelia Nena**
  - An epidemiological approach to infectious mononucleosis.

**10:30-11:00 Risk and Resilience Assessment Center –Prefecture of East Macedonia and Thrace - Greece (RiskAC-DUTH) & One Health I**

**Chair: Ioannis Dokas,Theodoros Constantinidis, Eugenia Bezirtzoglou (Presentation of KEDIAK research infrastructure)**

- **Prof Athanasios Tsaftaris Ex-Minister, Agriculture Department, Aristotle University of Thessaloniki, Thessaloniki, Greece**
  - Life as an RNA: The coronavirus pandemic and the environmental role.
- **Prof Alkiviadis Vatopoulos, Department of Public Health Microbiology, School of Public Health, University of Western Attika, Athens, Greece**
  - The One Health concept.
- **Christos Zafeiridis, DVM, Mph, European Commission DG Health and Food Safety - Directorate G, Crisis management in food, animals and plants**
  - One health approach on food safety and antimicrobial resistance.
- **Maria Linou, DVM, PhD**
  - The one health initiative in companion animal and human interaction.
- **Eleni Dotsika, DVM, PhD, Director Pasteur Institute, Athens, Greece**
  - One health perspectives on natural disasters including pandemics.

**11:45 – 13:30 Risk and Resilience Assessment Center –Prefecture of East Macedonia and Thrace - Greece (RiskAC-DUTH) & One Health II**

**Chair: Ioannis Dokas, Spyridon Ntougias**

- **Prof Aggelos Protopappas , School of Civil Engineering, Democritus University of Thrace, Xanthi, Greece**
  - Assessment of universal value of cultural heritage of East Macedonia-Thrace from the perspective of conservation of biological diversity.
- **Evangelos Mendonidis, School of Civil Engineering, Democritus University of Thrace, Xanthi, Greece**
  - Utilizing GIS to visualize traffic accidents data.
- **Ioannis Manisalidis and Elisavet Stavropoulou , Laboratory of Hygiene and Environmental Protection, Medical School, Democritus University of Thrace, Alexandroupolis, Greece and Centre**
  - Air traffic, air pollution and shifting impact on public health.
- **Assoc Prof Anastassia Paschalidou and K. Psistaki,N. Matzarides,O. Psaras-Leridis,A. Damialis, Ioannis Dokas, Department of Forestry & Management of the Environment & Natural Resources, Democritus University of Thrace, Orestiada, Greece and Department of Civil Engineering, Democritus University of Thrace, Greece. And Institute of Environmental Medicine, UNIKA-T, Technical University of Munich and Helmholtz Zentrum München - German Research Center for Environmental Health, Augsburg, Germany**
  - Studying the levels of allergenic pollen from different anemophilous species in Kavala, Greece.

**13.30—14.30 Lunch (Poster presentations)**

**14:30 –17:20 Session: Microbiome Applications in Food Systems FOOBIONES and FOOD INNOVATION Research Infrastructures I**

**Chair: Eugenia Bezirtzoglou, Marirena Grigoriou, Yiannis Kourkoutas**

**14:30- 14:35 Yiannis Kourkoutas, Presentation of FOOBIONES Research Infrastructure**

**14:35- 14:40 Eugenia Bezirtzoglou, Presentation of FOOD INNOVATION Research Infrastructure**

**14:40-15.00**

- **George Paraskevakos, Executive Director International Probiotics Association**
  - Probiotics and the Microbiome; a synopsis of trends, regulations, and the market from the IPA desk.

**15:00 – 15:20**

- **Dr. Monika Kvaková, Slovakia**
  - Benefits of co-encapsulated synbiotics for healthy gut.

**15:20 – 15:40**

- **Marirena Grigoriou, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece**

**15:40 – 16:00**

- **Andreas Tzakos, University of Ioannina, Greece**
  - Exploiting the plant biodiversity flora of Epirus for the development of novel bioproducts.

**16:00 – 16:20**

- **Nikolaos Kopsahelis, Ionian University, Greece**

**16.20 – 17:00**

- **Antonios Koutelidakis, Aegean University, Greece**
  - Bioavailability of antioxidant and phenolic compounds in yogurt products fortified with plant extracts from North Aegean Region.

**17:30 –18:00 Session: Microbiome Applications in Food Systems FOOBIONES and FOOD INNOVATION Research Infrastructures II**

**17:40 – 18:00**

- **Nikolaos Kostomitsopoulos, Researcher, Biomedical Research Foundation, Academy of Athens, Greece**
  - Animal ethics and the quality of experimental results.

**18:00 – 18:20**

- **Amalia Yanni, Department of Nutrition and Dietetics, Harokopio University, Greece**
  - Dietary interventions in streptozotocin-induced diabetic rat.

**18:20 – 18:40**

- **Ioanna Prapa, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece**
  - Immobilized probiotics on pistachio nuts as functional food ingredients to modulate intestinal microbiome in streptozotocin-induced diabetic rats.

**18.40-19**

- **Chrysa Voidarou, Assoc Prof University of Ioannina, Agriculture Department**
  - One Health, One safety and Environmental Sustainability.

**19:00 – 19:15 *Closing Remarks***

**3<sup>RD</sup> DAY 16 JUNE 2022**

**Excursion to regional landmarks**



# REGISTRATION / ACCOMODATION / MEMBERSHIP

Fees	Early Fee 04/05/2022	Regular Fee 18/05/2022	Late / On site
Delegate	€ 300	350	400
Delegate - SOMED Member*	€ 200	250	300
Student (Undergraduate, Master, PhD)	€ 100	150	200
Student - SOMED Member* (Undergraduates, Masters, PhD)	€ 50	70	100
Online Session	€ 100	130	150
Accompanying person	€ 200	250	250
Companies	€ 500	550	600
Gala	€ 55 / person		

**\*SOMED membership annual fee;**  
**Students, 20€**  
**Regular, 40€**  
**BANK: CCM BORDEAUX CAUDERAN (FRANCE),**  
**IBAN: FR76 1558 9335 6107 6398 7544 332**  
**Membership dues should be paid before Congress registration.**

Older members should renew their membership in order to be considered and registered as SOMED members.

\* You can also join or renew your annual membership online, clicking [here](#) , at the section “**Join SOMED**”.

**HOTEL ACCOMMODATION:**  
 Single room, 90€/night  
 Double room, 110€/night  
 Contact info for reservations:  
[Apostolos.koupas@grecotel.com](mailto:Apostolos.koupas@grecotel.com)  
 Please indicate **SOMED CONGRESS** as the discount code to get special prices.

**Account details for the Congress Registration:**  
**PIRAEUS BANK, GREECE**  
**IBAN: GR34 0172 5150 0055 1507 5218 913**  
 Please use “**SOMED CONGRESS**” as a payment reference.





# GUIDELINES

## **ABSTRACT**

All submitted abstracts will be reviewed by members from the scientific committee.

You may download the abstract template at the following link: <https://1drv.ms/w/s!AmVwf5yK1wbnlGGPcny7kiRG86y1>

## **ORAL PRESENTATION**

Oral presentations allow speakers to present their research through a 15-minute individual presentation. Individual Presentations should include:

- (1) a title with a maximum of 25 words,
- (2) a separate max 250-word abstract,
- (3) a brief summary of the presenter's education and work experience, and
- (4) references.

## **POSTER**

Poster submissions should include:

- (1) a title with a maximum of 25 words,
- (2) a separate max 250-word abstract,
- (3) a brief summary of the presenter's education and work experience, and
- (4) references.