

**2022 MELISSA CONFERENCE**

**CALL FOR ABSTRACTS**

**8-9-10 NOVEMBER, 2022**

**Toulouse, France**

**HYBRID EVENT – Possibility of virtual access**



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## 1. INTRODUCTION

The 2022 edition of the MELISSA Conference is the European platform dedicated to closed-life support systems. It is the place to share and exchange thoughts on fundamental and applied research for Space and Earth applications. All the respective communities: air, water, waste recycling, food production and preparation, modeling, control, safety, circular systems, education and societal impact, ... are represented.

The Conference will highlight and foster the collaboration between researchers, engineers, experts, private and public organizations.

The official language of the Conference is **English**.

## 2. CALL FOR ABSTRACTS

*Technical papers and posters* addressing the topics of the Conference are welcome.

The abstract must be in *English language* with a **maximum length of 500** (without blanks) words and **shall be:**

1. Order of presented information:
  1. **First name, last name, phone numbers, e-mail address and company of the authors**
  2. **Title**
  3. **Presenting author**
  4. **Other authors**
  5. **Primary affiliation**
  6. **Abstract text** (maximum 500 words)
  7. **Keywords (3)**
  8. **Preferred presentation option** (oral presentation or poster)

The selected abstracts (oral presentation and poster) must be presented on-site in Toulouse (except for Japanese and Russian).

We therefore strongly encourage you to consider traveling to Toulouse to present your abstract.

Link to submit your abstract: <https://www.melissafoundation.org/conference/abstract/1>



## **2.1. TOPICS**

**These main topics will be discussed:**

1. Air recycling and CO2 valorization
2. Grey, yellow, black water recycling
3. Waste recycling
4. Biomaterial
5. Food production and preparation
6. Proteins production
7. Microbial safety
8. Process modeling, simulation and control
9. Life support architecture for future missions
10. Space experiment
11. Circular economy
12. Societal impacts and education



### 3. SELECTION PROCESS

**Abstracts submission deadline is 18<sup>th</sup> of July 2022.**

The abstracts will be evaluated by the Scientific Committee, and will be either:

1. Approved for oral presentation: the paper will be presented (by means of a Power Point within a slot of about 15/20 minutes) during the Conference. Later-on the presentation (PDF) will be uploaded, with authors agreement, on the MELISSA Foundation website.
2. Approved for poster presentation: the posters (to be provided by the author) will be exposed and will be visible during the whole duration of the Conference. Poster dimension must be: coming soon.
3. Rejected.

The outcome of the selection process will be communicated to the authors by e-mail at the latest on **August 14<sup>th</sup> 2022.**

#### **Final steps**

The final Conference program will be issued on **September 15<sup>th</sup> 2022.** Authors whom abstracts have been approved must send their presentation (PDF) and/or poster (PDF) at the latest on **October 30<sup>th</sup>.**

#### **Additional Information**

For more information, please contact: [contact@melissaconference.org](mailto:contact@melissaconference.org)



#### **4. ORGANIZING COMMITTEE**

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