

## CONSOLFOOD2023

Fifth International Conference: Advances in Solar Thermal Food Processing

We invite you to join us at CONSOLFOOD2023.

Many people in developing countries still burn wood, charcoal, or even garbage on open fires for cooking purposes because they do not have access to electricity or gas. The inefficient burning of wood, charcoal, dung, and plant residues causes health problems, deforestation and greenhouse gas emissions. The potential of thermal solar energy for food processing tasks like drying, cooking, and pasteurization is well understood, but adoption of this technology is not increasing as rapidly as would be desirable. In the sunny parts of the developed world, few people would recognise a solar cooker, and most still use only gas and electricity for cooking. The introduction of solar cookers in sunny areas for cooking, food drying, and water sterilization is our goal.

The **deadline** for submission of your abstracts for this conference is **15th December, 2022**.

You should limit your abstract to 400 words, and follow these guidelines: <https://eric.ed.gov/?abstract> .

**Submission:** Please send your abstract(s) via e-mail to [cruivo@ualg.pt](mailto:cruivo@ualg.pt)

**Assessment:** All abstracts will be reviewed and assessed by the members of the scientific committee. The organising committee will inform each author whether their submitted abstract has been accepted.

**Conference Proceedings:** The organizing committee encourages all authors to write an optional **full length paper** for inclusion in our conference proceedings.

### **Presentation formats:**

Recorded presentations, with a duration of about 25 min, using Powerpoint or other software.

Recorded Pecha Kucha presentations, with durations of about 7 minutes using Powerpoint or other software.

**Fee:** We expect to run the conference in **hybrid format** with a fee of 200 euros. Interested people facing financial difficulties should contact the organizing committee.

For updated information on CONSOLFOOD2023 go to [www.consolfood.org](http://www.consolfood.org)

# First call for abstracts

**12-13-14 July 2023**

**A CORUÑA-SPAIN**

Fifth International Conference

## CONSOLFOOD2023

**>Advances in Solar**

**>Thermal Food Processing**

**CONSOLFOOD 2023** is being planned, not for winter time in Faro-Portugal, but for summer time in **Galicia (CiFP SOMESO, A Coruña, Spain)**, i.e., in the home town of our great solar cooking friend Juan Bello Llorente. An exhibition of solar cookers will be available for viewing during the conference days. We will use these cookers to produce our solar lunch, with the help of our friend, the sun. The whole CONSOLFOOD2023 conference program will be delivered in hybrid format, so those who register, but are not present at CiFP Someso, will be able to participate online.

Once again, we will focus on advances in solar cooking, solar food processing, and related topics. As usual, we expect to attract experts from all over the world to present and discuss the latest developments.

### **Institutional Support**



XUNTA  
DE GALICIA

CENTRO INTEGRADO DE  
FORMACIÓN PROFESIONAL  
SOMESO



UNIVERSIDADE DO ALGARVE  
INSTITUTO SUPERIOR DE ENGENHARIA

## Tentative programme:

### 12<sup>th</sup> July 2023

10:00 - 14:30

Installing the solar cookers  
in the exhibition area  
for real solar cooking

16:00 - 16:15 **Opening session**

16:15 - 18:00 Presentations - **session 1**

18:00 - 18:15 **Break**

18:15 - 20:00 Presentations - **session 2**

### 13<sup>th</sup> July 2023

10:00 - 14:30

Exhibition of solar cookers  
Real solar cooking

14:30 - 15:45 **Solar lunch**

16:00 - 18:00 Presentations - **session 3**

18:00 - 18:15 **Break**

18:15 - 20:00 Presentations - **session 4**

20:00 - 21:00 **Surprise session**

### 14<sup>th</sup> July 2023

10:00 - 14:30

Exhibition of solar cookers  
Real solar cooking

14:30 - 15:45 **Solar lunch**

16:00 - 18:00 Presentations - **session 5**

18:00 - 18:15 **Break**

18:15 - 20:00 Presentations - **session 6**

20:00 - 20:30 **Closing session**

Note :Times mentioned above are for Madrid-Spain  
(CEST — Central European Summer Time)

## Organizing and Scientific Committees:

Celestino Ruivo, (Chairman 1)

Institute of Engineering, University of Algarve, Portugal

Association for the Development of Industrial Aerodynamics, Portugal

Juan Bello Llorente, (Chairman 2)

CIFP Someso, A Coruña, Spain

Alberto Hernandez Neto, University of São Paulo, Brazil

Ajay Chandak, PRINCE Suman Foundation, India

Angeles López Agüera, University of Santiago de Compostela, Spain

Armando Inverno, Institute of Engineering, University of Algarve, Portugal

Célia Quintas, Institute of Engineering, University of Algarve, Portugal

Dave Oxford, SLiCK Solar Stove, UK Michael Bonke – LAZOLA Initiative for Spreading Solar  
Cooking, Germany

Eduardo Armando Rincón Mejía, Universidad Autónoma de la Ciudad de México, México

Francisco Javier Macias, University of Huelva, Spain

Hideo Oguri, HUMAN TECH LAB, Japan

Kartikey Gupta, Vatsalya, India

Luther Krueger, Big Blue Sun Museum of Solar Cooking, Minneapolis, USA

Octavio García Valladares, Instituto de Energías Renovables, Universidad Nacional Autónoma  
de México, México

Xabier Apaolaza Pagoaga, University of Málaga, Spain

## Institutional support:

