



XLII Convegno Nazionale della Società Italiana di Chimica Agraria

09-11 September 2024
Alghero (SS), Hotel Catalunya

The contribution of agricultural chemistry to the global challenge for a sustainable crop production and preservation of ecosystem services





The XLII SICA Conference will take place in Alghero at the Hotel Catalunya from 9 to 11 September 2024.

The scientific programme of the conference is structured in four sessions addressing different topics related to the soil/plant/environment/food system with a multidisciplinary approach.

Each session will be introduced by a keynote lecture given by internationally renowned scientists and then followed by oral presentations held by national and international lecturers and researchers, addressing the chemical, biochemical, physiological and ecological aspects of the soil-water-plant-atmosphere system, as well as the processes of accumulation, mobilization and uptake of chemical species, endogenous and exogenous, useful or harmful, under optimal and/or stress conditions.

Ample space will be devoted to the presentation of innovative solutions for the improvement of crop yield and quality, and for the restoration and preservation of soil functionality and health. Of particular interest will be a session organized in focus groups especially dedicated to young researchers attending the conference. The intense scientific programme will not preclude conference participants from enjoying the unique cultural heritage and landscape offered by the city of Alghero.



Programme

(the conference will be held in English)

Monday 09 September

08:30 Registration and meeting of the SICA Directive Board

09:30 Institutional greetings (Magnificent Rector of the University of Sassari, Prof. Gavino Mariotti; Director of the Dipartimento di Agraria of the University of Sassari, Prof. Ignazio Floris; AISSA President Prof. Nicolò Pietro Paolo Maciotta).

Session 1: The role of soil for a sustainable crop production and the preservation of ecosystem services

10:00-10:40 **Keynote lecture: Enzo Lombi**

Barbara Hardy Chair in Environmental Science and Engineering, Future Industries Institute, University of South Australia

Exploring phosphorus chemistry in the fertosphere to increase nutrient use efficiency

10:40-11:00 Oral Presentations

11:00 *Coffee break and poster viewing*

11:20-13:00 Oral Presentations

13:00 *Lunch and poster viewing*

Session 2: Plant responses and resilience to counteract global change

14:30-15:10 **Keynote lecture: Diana Santelia**

Department of Environmental Systems Science, ETH Zurich

Guard cell starch metabolism at the intersection of environmental stimuli and stomatal movements

15:10-16:10 Oral Presentations

16:10-16:30 *Coffee break and poster viewing*

16:30-17:30 Oral Presentations

17:30-18:00 *Poster viewing*



Tuesday 10 September

Session 2: Strategies for the preservation and recovery of natural and contaminated environments

09:00-09:40 **Keynote lecture : Domenico Morabito**

Laboratoire Physiologie, Écologie et Environnement, Université d'Orléans

Assisted phytostabilization for sustainable remediation of polluted areas as part of a circular economy

09:40-11:00 Oral Presentations

11:00 *Coffee break and poster viewing*

11:20-13:00 Oral Presentations

13:00 *Lunch and poster viewing*

14:30-16:00 **Focus groups of young researchers**

16:00 *Coffee break*

16:20- 17.30 SICA Plenary session

20:00 Social dinner

Wednesday 11 September

Session 4: Climate-smart approaches for a sustainable food production

09:00-09:40 **Keynote lecture: Simona Grasso**

Food Science & Nutrition, University College Dublin

Upcycled foods: challenges and opportunities

09:40-11:00 Oral Presentations

11:00 *Coffee break and poster viewing*

11:20-13:00 Oral Presentations

13:00 Awards for the best presentations and closing ceremony

13:30 *Lunch*

Information

Conference Venue

Hotel Catalunya
Via Catalunya 24,
07041 Alghero, Italy



REGISTRATION

Registration to the XLII National Conference of the Italian Society of Agricultural Chemistry **“The contribution of agricultural chemistry to the global challenge for a sustainable crop production and the preservation of ecosystem services”** must be done online. Registered participants will be provided with credentials to access the reserved area where they will be able to upload their abstract, as well as to download the certificate of attendance and the Book of Abstract.

DEADLINES

15.06.2024 early bird registration and payment;

15.06.2024 abstract submission;

26.07.2024 late registration and payment.

Registration fees

Before 15/06/2024

Students/fellows		SICA members		Non SICA members	
Registration fees	€ 160	Registration fees	€ 300	Registration fees	€ 350
Registration fees + social dinner	€ 220	Registration fees + social dinner	€ 360	Registration fees + social dinner	€ 410

Before 26/07/2024

Students/fellows		SICA members		Non SICA members	
Registration fees	€ 210	Registration fees	€ 350	Registration fees	€ 400
Registration fees + social dinner	€ 270	Registration fees + social dinner	€ 410	Registration fees + social dinner	€ 460



The conference fee must be paid by bank transfer and must indicate the name of the participant and the reason for payment.

The Registration fees include access to the congress, participant kit, meals and coffee breaks at the congress venue.

Abstract

Abstracts (written in English; max. 400 words; margins 2.5 cm; Times New Roman 12 font; single spacing) must be submitted exclusively via the platform, by 15 June 2024.

Scientific Committee

Maria Rosa Abenavoli

Antonella Castagna

Paola Castaldi

Luisella Celi

Luca Espen

Giovanni Garau

Giovanni Gigliotti

Lucia Guidi

Claudio Marzadori

Elio Padoan

Maria Vittoria Pinna

Anita Zamboni

Organizing Committee

Paola Castaldi

Stefania Diquattro

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Matteo Garau

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