

## GENERAL INFORMATION

### PROGRAM

**1/10/2024**

Participants registration, Symposium plenary opening and welcome cocktail.

**2/10/2024**

Keynote, parallel thematic sessions and social event.

**3/10/2024**

Keynote, parallel thematic sessions and gala dinner.

**4/10/2024**

Parallel thematic sessions and Symposium closing.

### DEADLINES

**01/02/2024**

Call for papers

**30/04/2024**

Abstract submission

**31/05/2024**

Notification of abstract acceptance

**30/06/2024**

Early bird registration

**31/07/2024**

Extended abstract submission and author registration deadline

## SUPPORTED BY



# SIDISA 2024

## XII International Symposium on Environmental Engineering

### PALERMO

October 1<sup>st</sup> - 4<sup>th</sup>

## SCIENTIFIC INFORMATION

## SPONSORSHIP

### SCIENTIFIC COMMITTEE (PROVISIONAL LIST)

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The Italian Association of Sanitary and Environmental Engineering (ANDIS), the Italian Group of Sanitary and Environmental Engineering (GITISA) are pleased to

announce the 12<sup>th</sup> International Symposium on Environmental Engineering (SIDISA 2024) that will be held in the city of Palermo from October 1<sup>st</sup> to 4<sup>th</sup> 2024.

### ORGANIZING COMMITTEE

Michele Torregrossa  
Gaspere Viviani  
Giorgio Mannina  
Gaetano Di Bella

Daniele Di Trapani  
Alida Cosenza  
Santo Fabio Corsino  
Marco Capodici

### ORGANIZING SECRETARIAT

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Sidisa Palermo



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Università  
degli Studi  
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Gruppo Italiano di  
Ingegneria Sanitaria Ambientale

ANDIS  
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NAZIONALE DI INGEGNERIA  
SANITARIA AMBIENTALE

# THE SYMPOSIUM

On behalf of the Organizing Committee, it is our pleasure to invite you to join us for the XII International Symposium on Environmental Engineering - SIDISA2024". SIDISA is a significant event for researchers and professionals that covers the entire panorama of Environmental Engineering. The topics deal with water, air, soil, and waste. Special emphasis will be given to advanced treatment and management issues, while addressing the needs of sustainable development, circular economy, and climate change mitigation. The Symposium will provide a forum for sharing ideas, scientific results, and practical experiences. Discussion will range from the frontiers of research to the design and management of treatment plants, rehabilita-

tion interventions and "City of the Future" concepts. The Symposium will have the ambition of promoting connections and collaborations between the world of research, the professional and industrial sectors dealing with environmental prevention and recovery. Parallel technical sessions will be scheduled to allow industrial practitioners and researchers addressing priority environmental issues. The Symposium will offer new networking and business opportunities between participants, exhibitors, and sponsors. The scientific program will be accompanied by a poster session which will provide a lively forum for discussion. We cordially invite you to join us for this conference and look forward to enjoy an inspiring event.

The abstract submission is now open and the deadline is March 31th 2024. If you wish to submit an abstract on one of the themes to be considered for presentation during the Sympo-

sium, please follow the instructions and use the abstract template that can be downloaded in the Symposium website.

# TECHNICAL ISSUES

## Drinking water

- Advanced drinking water treatments
- Emerging challenges in operation
- Modelling of drinking water treatment
- Microalgae pollution
- Regulatory evolution and economic implication
- Advanced oxidation processes
- Removal and control of emerging contaminants

## Wastewater treatment

- Advanced biological wastewater treatments
- Microbial population dynamics
- Emerging challenges in operation
- Modelling of wastewater treatment
- Physical-chemical treatments
- Sludge management optimization strategies
- Removal and control of emerging contaminants
- Wastewater reuse
- Industrial wastewater treatments
- Anaerobic digestion
- Regulatory evolution and economic implication

## Biorefineries

- Nutrients recovery from wastewater treatment
- Energy recovery
- Biopolymers recovery
- Biofuels

## Municipal and industrial waste

- Municipal waste management
- Industrial waste management
- Reuse, recycling and recovery of materials
- Energy recovery and production
- Biological treatment
- Thermal treatment
- Regulatory evolution and economic implication
- Anaerobic digestion

## Air quality and treatment

- Emissions reduction and treatment
- Emissions dispersion model
- Indoor and outdoor air: impact and risk assessment
- Particulate matter in indoor and outdoor air
- Regulatory evolution and economic implication

## Green economy and smart cities

- Energy reduction
- Energy saving and recovery
- Policies for the development of green economy and smart cities in the national and international context
- Life Cycle Assessment
- Raw materials and circular economy
- Process sustainability

## One health and environmental safety

- Emerging contaminants
- Wastewater based epidemiology
- Antibiotics and antimicrobial resistance (AMR)
- Advanced monitoring
- Risk assessment

## Contaminated sites

- Contaminated soil and water: characterization, monitoring and modelling
- Contaminated soil and water: remediation
- Brownfields and sustainable remediation
- Regulatory evolution and economic implication

## Climate change

- GHG emissions monitoring and control
- Climate change effects on water quality
- Monitoring of climate change
- Climate change mitigation and adaptation
- Carbon sequestration
- Effects of climate changes on environmental and sanitary safeguard infrastructures

TYPE	Early*	Late*
	(by 30 June 2024)	(by 31 July 2024)
<b>GITISA/ANDIS Members</b>	550,00 €	600,00 €
<b>AIAT, EWA, IWA, ISWA Members</b>	600,00 €	650,00 €
<b>No members</b>	750,00 €	800,00 €
<b>Delegates from low income countries</b>	350,00 €	350,00 €
<b>Students</b>	300,00 €	350,00 €
<b>Single day</b>	250,00 €	250,00 €
<b>Gala dinner</b>	100,00 €	100,00 €

\*add VAT 22% - all rate types do not include the Gala Dinner

