



Bologna Fair District | Italy

# 15-17 February 2023

## Sustainability of Swimming Pools and SPA in a One Health Perspective

The 10<sup>th</sup> edition of ICSPS (**International Conference on Swimming Pool & Spa**) will be held in Bologna (Italy) **from the 15<sup>th</sup> to 17<sup>th</sup> February 2023**.

Promoted by the **Italian Institute of Health** and by the **University of Rome "Foro Italico"**, the conference will host researchers and academics from all over the world.

**Call for Paper is open!**

Contributors are invited for submission  
for oral and poster presentation

Abstract submission:  
**1<sup>st</sup> July-11<sup>th</sup> December 2022**

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**Venue**

Bologna Fair District, Bologna (Italy)

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**PRELIMINARY PROGRAMME  
IN PROGRESS**

ICSPS 2023  
PRELIMINARY PROGRAMME

Wednesday, February 15, 2023

Time	Event
15.30-16.30	<b>Reception and Registration</b>
16.30-20.00	<b>Opening Session</b>
16.30-17.30	<b>Authorities Welcome</b> Chair: Emanuele Ferretti and Vincenzo Romano Spica
17.30-18.00	<b>Stakeholder Roundtable</b> Chair: Federico Maestrami and Claudio Carpineti
18.00-18.30	<b>Opening Lecture - Chemistry of chlorine in pools and microbial sensitivity</b> Lothar Erdinger
18.30-20.00	<b>Welcome Cocktail</b>

Thursday, February 16, 2023

Time	Event
8.45-9.30	<b>Reception and Registration</b>
9.00-11.00	<b>Roundtable: Current Regulations from different countries</b> Chair: Emanuele Ferretti and Michele Hlavsa
9.00-9.20	Surveillance and public health policy in USA - Hlavsa M, USA
9.20-9.35	Current Regulations in France - Boudenne JL, France
9.35-9.50	Current Regulations in Austria - Sommer R, Austria
9.50-10.05	Current Regulations in Greece - Vantarakis A, Greece
10.05-10.20	Guidelines on the quality of swimming pool water in Poland - Wyczarska-Kokot J, Poland
10.20-10.35	Current Regulations in Netherland - Keuten M, Netherland
10.35-10.50	Current Regulations in Italy - Ferretti E, Italy
10.50-11.00	Discussion
11.00-11.30	<b>Coffee Break</b>
11.30-13.00	<b>Chemical Risk</b> Chair: Jean-Luc Boudenne e Maarten Keuten
11.30-11.50	DBPs from particles released by bathers: physical-chemical characterization - Boudenne JL, France
11.50-12.05	Identification of DBPs from different disinfectants - Trebse P, Slovenia
12.05-12.15	Identification of micropollutant decomposition products in private backyard swimming pools - Dudziak M, Poland
12.15-12.25	Chlorination by-products in indoor swimming pools: year-wise monitoring study - Harman BI, Turkey
12.25-12.35	Comparison of chlorate and perchlorate concentrations in swimming pool water and their correlation with the use of chlorine products, provided in ready-made canisters or generated in situ by salt electrolysis - Reuss A, Germany
12.35-12.45	Chemical indicators for pool water quality - Kurz J, Germany

12.45-13.00	Discussion
13.00-14.00	<b>Lunch - POSTER SESSION</b>
14.00-15.30	<b>Sustainable innovation in water and air treatment</b> Chair: S. Şule Kaplan Bekaroğlu and Sebania Libertino
14.00-14.20	Measurements and Modeling of Chemical IAQ Dynamics in Indoor Pool Facilities - Ernest R. Blatchley III, USA
14.20-14.35	Release of particles and bacteria into swimming pool water by bathers and their removal in water treatment - Uhl W, Norway
14.35-14.50	Effects of temperature on formation potentials of trihalomethanes and Haloacetic Acids in chlorinated model BFA - Harman BI, Turkey
14.50-15.05	Sensing strategies for water monitoring - Libertino S, Italy
15.05-15.15	The influence of outdoor temperature on Norwegian swimming hall energy consumption - Wothy A, USA
15.15-15.25	Increasing swimmer health and the quality of wastewater by using a triple electro-disinfection system as alternative for chlorine: the results in ten Belgian public swimming pools - Desmet S, Belgium
15.25-15.30	Discussion
15.30-16.00	<b>Coffee Break - POSTER SESSION</b>
16.00-17.30	<b>Panel discussion: Water treatment and management for Thermae, Wellness, Bio-pools</b> - Marco Vitale and Federica Valeriani
16.00-16.20	A consensus document for SPA pools - Choen M, Australia
16.20-16.30	Selected oral communication
16.30-16.40	Effects of mud-therapy on pain, function and quality of life in patients with rheumatic and dermatologic diseases: a systematic review - Paduano S, Italy
16.40-16.50	New evidence on the mechanism of action of balneotherapy - Fioravanti A, Italy
16.50-17.30	Discussion

## Friday, February 17, 2023

Time	Event
8.30-9.00	Reception and One Day Registration
9.00-10.30	<b>Biological Risk</b> Chair: Regina Sommer and Apostolos Vantarakis
9.00- 9.20	NGS for assessing safety of water and derivative products - Bargellini A, Italy
9.20- 9.30	Public health risks related to the use of swimming pools in Albania - Mataj E, Albania
9.30-9.40	Selected oral communication
9.40-9.50	Effects of bubbles in preventing the proliferation of pathogens on materials used for swimming pools - Coletto A, Italy
9.50-10.00	Selected oral communication
10.00-10.10	Management of chemical-bacteriological discrepancies in swimming pools in the Emilia-Romagna region - Sghedoni S, Italy
10.10-10.20	Selected oral communication
10.20-10.30	Discussion
10.30-11.00	<b>Coffee Break - POSTER SESSION</b>

<b>11.00-12.30</b>	<b>Miscellanea session: sport and physical activity, pool design and management</b> Chair: Polonca Trebse and Ernest R. Blatchley III
<b>11.00- 11.20</b>	Safety of submerged suction outlets in swimming pools - Keuten M, Netherland
<b>11.15-11.30</b>	Water Use Management Based on Presence and Activity Levels of Swimmers in Indoor Swimming Pools - Mofidinasrabad H, Canada
<b>11.30-11.40</b>	Dynamic water quality modeling for improved pool designs and safer regulations - Amburgey J, USA
<b>11.40-11.50</b>	The effect of individual, group and aquatic exercises on health-related quality of life in older people living in residential care settings: preliminary results from two italian regions - Dallolio L, Italy
<b>11.50-12.00</b>	Swimming pool related health complaints: not just water and air - Bakker JG, Netherland
<b>12.00-12.10</b>	Examples of technological solutions used in Poland in the field of reducing the operating costs of swimming pool facilities - Lempart-Rapacewicz A, Poland
<b>12.20-12.30</b>	Discussion
<b>12.30-14.00</b>	<b>Lunch - POSTER SESSION</b>
<b>14.00-15.30</b>	<b>Legionellosis, COVID, contaminants of emerging concern (CEC)</b> Chair: Janice Calvert and Annalisa Bargellini
<b>14.00-14.15</b>	Using Modelling of Cryptosporidium Contamination Events to Inform Public Health Actions - Chalmers R, UK
<b>14.15-14.30</b>	Management of plumbing in swimming pools and guidelines - Bonadonna L, Italy
<b>14.30-14.40</b>	Chlorine sensitivity of gram-positive and gram-negative bacterial strains under swimming pool conditions: microbial process indicators for pool water disinfection - Erdinger L, Germany
<b>14.40-14.50</b>	Microplastics and recreational waters - Lofrano G, Italy
<b>14.50-15.00</b>	Reduction of micropollutant concentration in swimming pool water - Kudlek E, Poland
<b>15.00-15.10</b>	Selected oral communication
<b>15.10-15.20</b>	Selected oral communication
<b>15.20-15.30</b>	Discussion
<b>15.30-16.00</b>	<b>Coffee Break</b>
<b>16.00-17.00</b>	<b>Closing ceremony</b>

Promoted by the Italian Institute of Health  
and by the University of Rome "Foro Italico"

10<sup>th</sup> ICSPS will be hosted by



For information on the scientific program:  
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For information on registration and organization:  
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