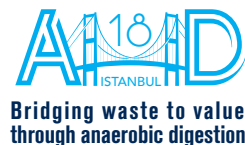
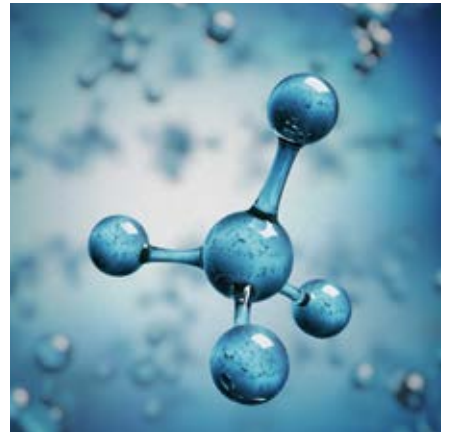
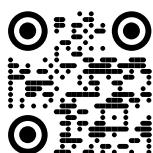


18th IWA World Conference on Anaerobic Digestion

June 2-6, 2024 / Istanbul, Türkiye



www.iwa-ad18.org



Invitation from the Chair and Programme Committee



**Mustafa Evren
Ersahin**

*Istanbul Technical
University, Türkiye
(Chair)*



Hale Ozgun

*Istanbul Technical
University, Türkiye
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Lutgarde Raskin

*University of Michigan,
USA*



Rolando Chamy

*Pontificia Universidad
Católica de Valparaíso,
Chile*

We cordially welcome all participants to the 18th IWA World Conference on Anaerobic Digestion (IWA AD18) in Istanbul, Türkiye, on June 2-6, 2024. IWA AD18 Conference is one of the most important international events on anaerobic technologies, where the latest developments and innovations in the field of anaerobic technologies will be discussed.

Anaerobic technology is widely used as a low-cost method for waste treatment, and has gone beyond a strategy of wastewater treatment to an integrated method of waste-to-resource recovery. We seriously consider that improving anaerobic technology is crucial to create a more sustainable planet. The theme we have adopted "**bridging waste to value through anaerobic digestion**" is a direct reflection to emphasize the role of anaerobic digestion in sustainability.

IWA AD18 Conference aims to bring together leading academicians, scientists, engineers, researchers, practitioners, policymakers, representatives of the public and private sectors, and research scholars to exchange and share their experiences and research findings on all aspects of anaerobic digestion. We would like to give you a great opportunity where you can talk and share knowledge, gain inspiration, and showcase skills. We also expect that IWA AD18 Conference will provide a substantial base to shape the AD roadmap in the future.

We sincerely hope you enjoy the conference and have a fantastic time during your stay in Istanbul, Türkiye.

Hale Ozgun

IWA AD18 Conference
Chair

Mustafa Evren Ersahin

IWA AD18 Conference
Chair



Why to submit your work to the IWA AD18?

- Create new, inspiring solutions to the world's resource sustainability challenges through anaerobic biotechnology
- Present your novel works and discuss the outcomes with the leading professionals
- Be informed about the most up-to-date studies on the anaerobic digestion
- Meet with the professionals in the field of anaerobic technologies and the bioenergy sector
- Build network with delegates and visitors
- Attend technical tours of full-scale anaerobic facilities treating different waste streams

Paper Submission

Abstracts will be accepted for oral or poster presentations, and shall be limited to a maximum of four A4 pages (including figures, tables, and references). The template for abstracts is available on the official conference website: www.iwa-ad18.org. Authors of accepted oral presentations are asked to submit a full paper. All accepted papers (both for oral and poster presentations) will be included in the conference proceedings.

If an abstract is selected for oral or poster presentation, at least one author must register for the conference and present the paper. However, no individual can present more than two platform papers/posters. Any further papers must be presented by a co-author.

Selected papers will be peer-reviewed for publication in IWA journals: *Water Science & Technology* and *Journal of Water & Climate Change*.

Conference Topics

- Novel and hybrid/integrated anaerobic process configurations and emerging technologies
- Microbial diversity in anaerobic processes
- Anaerobic treatment of industrial, municipal, and agricultural waste(water)
- Anaerobic digestion coupled with algal biomass: Algae-microbiome interactions
- Bio-based fertilizers from digestate in green biorefinery
- Valorization of anaerobic digestate from biowaste to high-value-added products
- Advanced processes and technologies for enhancing waste degradation and biogas production
- Anaerobic co-digestion for maximizing biogas production
- Pre- and post-treatment strategies for anaerobic digestion
- Modeling, optimization, instrumentation, and control of anaerobic processes
- Circular bioeconomy concept: Nutrient, energy, and product management through anaerobic digestion
- Presence and fate of micropollutants during anaerobic digestion
- Biogas upgrading and use areas
- Economic and environmental sustainability analysis of anaerobic processes
- Water, sanitation, and hygiene concerns in resource-constrained communities
- Policy issues related to anaerobic digestion
- Utilization of direct electron transfer materials in anaerobic digestion

Important Dates

Call for paper	June 1, 2023
Abstract submission deadline	December 15, 2023
Notification of abstract acceptance	February 22, 2024
Full paper submission deadline	March 18, 2024
Early bird registration deadline	April 1, 2024

Technical Trips

The following technical trips will be arranged for participants:

- Full-scale anaerobic digesters treating municipal wastewater sludge
- Full-scale upflow anaerobic sludge blanket (UASB) reactor and expanded granular sludge blanket (EGSB) reactor applications
- Anaerobic installations for industrial wastewater treatment
- Full-scale biomethanation plant for organic solid waste digestion
- World's biggest landfill gas power plant

Authors Registration Fee

All authors are requested to register to attend the conference. IWA members have access to a series of benefits that include significant registration discounts.

[Become a member at www.iwa-network.org/join](http://www.iwa-network.org/join)



**join IWA now for
discounted registration**

inspiring change • connecting people • pioneering science • innovating technology • leading practice

Sponsorship Opportunities

The sponsors and partners benefit from a unique opportunity to connect with thought leaders from within and outside the anaerobic technology sector and to network with hundreds of delegates and professionals. We kindly invite you to be one of the sponsors of the IWA AD18 conference and to have a stand in the Exhibition Hall. Please check out sponsorship opportunities on the official website (www.iwa-ad18.org).

General Information of Istanbul

Istanbul, the bustling metropolis of Türkiye, is a city full of charm, where the past goes hand in hand with the present and every step brings to light a relic of times gone by. At the crossroads of two continents – Europe and Asia – this spectacular city has absorbed the best of both worlds. With its beautiful historic landmarks, quintessential cuisine, vibrant nightlife, festivals of art and music, celebration of faith, labyrinths of marketplaces and shopping arcades, the beating heart of Istanbul, and the soul of Bosphorus under the watchful eye of the Maiden’s Tower is a traveler’s dream.



Entitled as one of the most dynamic cities in the world, Istanbul is literally a metropolis. It is a transcontinental city straddling two continents by its inland sea, Marmara. One of the world’s busiest waterways, the Bosphorus, is situated in northwestern Türkiye between the Black Sea and the Marmara sea. Connecting the two seas, Bosphorus also separates Istanbul to two sides known as European side and Asian side. Istanbul is not only a UNESCO World Heritage Site but also became a hub for contemporary artistic developments and creative industries. Istanbul’s cosmopolitan spirit –diverse and intercultural- is proved by the fact that nearly 75,000 companies dealing with international trade, which makes the city also a financial capital.



Conference Venue

Istanbul Congress Center is an international congress and event destination, boasting world-class technological infrastructure with its experienced staff providing a high-quality service. Istanbul Congress Center is situated at the most elegant and central destination in Istanbul.



Spanning an area of 120,000 m² on a total of eight floors, Istanbul Congress Center hosts social, cultural, and professional events of all kinds, including but not limited to national and international congresses, conferences, symposiums, corporate meetings, fairs, exhibitions, concerts, musicals, theater and movie premieres.





Be ready to be fascinated by the historical texture of Istanbul.

We are looking forward to hosting you in this city of two continents.

Contact

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Event Management

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#AD18

IWA
the international
water association