

# 2023 'Danube-Eastern Europe' Water Regional Forum



**WATER INDUSTRY –  
CHALLENGES AND  
PERSPECTIVES  
May 24<sup>th</sup> 2023  
Redal Expo - SIBIU**

**The International Technical-Scientific Conference** is addressed to specialists in the field, from the academic environment, to advisors, equipment designers and manufacturers, water resources managers, water supply and sewage – treatment system operators, and, not least, to the public interested in the development of technical and managerial performances in the water industry.

**The International Technical-Scientific Conference** is organised by the Romanian Water Association, in partnership with the International Water Association and in collaboration with POLITEHNICA University in Bucharest, and with the Technical University of Civil Engineering in Bucharest.

## **SCHEDULE**

### **Opening**

**09.30 - 09.45 Welcome and Introduction**

**Eng. Ilie VLAICU, PhD.** - Managing Director of AQUATIM S.A. – President of the Romanian Water Association

**Prof. Eng. Ion BICA, PhD.** - President of the Technical-Scientific Council of the Romanian Water Association

### **Key notes**

**09.45 - 10.15 „Economic evaluation of the biogas utilization for energy production in wastewater treatment facilities” („Evaluarea economică a utilizării biogazului pentru producerea de energie în stațiile de epurare a apelor uzate”)**

**Professor Konstantinos P. TSAGARAKIS** - Technical University of Crete  
(Universitatea Tehnică Creta)

### **Book launch**

**10.15 - 11.00 „Povestea apei din Dobrogea” (The Story of Water in Dobrogea)**

**Authors: Eng. Nicolae PITU, PhD. and Eng. Aurel PRESURĂ, PhD.**

**„Alimentarea cu apă a Timișoarei: Istorie, prezent și perspective”  
(Water Supply in Timisoara: History, Present, and Perspectives)  
Authors: Eng. Ilie VLAICU, PhD. and Prof. Ioan HAȚEGAN, PhD. – Historian**

### Water Library Launch: book presentations (E-books)

**11.00 - 11.20 „Managementul integrat al apelor uzate pentru sănătate și valorificare:  
Un manual de proiectare pentru orașele cu resurse “provocatoare”  
(Integrated Management of Wastewater for Health and Recovery: a design  
handbook for cities with ‘challenging’ resources) – Editor: Stewart M. OAKLEY  
Prof. Eng. Ion BICA, PhD. - President of the Technical-Scientific Council of the  
Romanian Water Association**

**11.20 -11.35 „Microplasticele în apă și ape uzate” (Microplastics in Water and  
Wastewater) - Editors: Hrisi K. KARAPANAGIOTI and Ioannis K.  
KALAVROUZIOS**

**Chem. Epsică CHIRU, PhD. - CEO of the Romanian Water Association**

### Selected presentations (I)

**Moderators: Prof. Eng. Ion BICA, PhD. - President of the Technical-Scientific  
Council of the Romanian Water Association**

**Chem. Epsică CHIRU, PhD. - CEO of the Romanian Water  
Association**

**11.35 -12.00 ‘The impact of climate changes on the surface water resources (lakes) and  
their effect over the drinking water’  
Eng. Orest TROFIN - APAVITAL S.A.**

**12.00 -12.25 ‘The impact of raw water quality from Hâlceni source, Iași County on the  
water supply systems in Vlădeni and Victoria, of the local operator  
APAVITAL S.A.’  
Eng. Cristian-Constantin AILOAEI - APAVITAL S.A.**

**12.25 -12.50 ‘Combining ozone and biofiltration to eliminate emerging contaminants  
from the drinking water and water reuse applications’  
Kenny KHOO - Managing Director, Xylem Water Solutions  
România SRL**

**12.50 -13.15 ‘Pressure management - Measures and good practices APAVITAL S.A.’  
Eng. Cristian CHIRICĂ - APAVITAL S.A.**

**13.15 – 13.40 „Concept for modular wastewater treatment systems”  
Paul de Lange - BouwCoach Consult - The Netherlands (Netherlands)**

### Break

**13.40 – 15.00**

## Selected presentations (II)

**Moderators:** **Prof. Eng. Ion BICA, PhD.** - President of the Technical-Scientific Council of the Romanian Water Association

**Chem. Epsică CHIRU, PhD.** – CEO of the Romanian Water Association

**15.00 -15.25** ***‘Quaternary treatment of urban wastewater – instrument for a cleaner environment and challenge for the treatment facilities operators’***

**Eng. Csaba BAUER** - Manager of Wastewater Treatment Operations, Aquaserv S.A. Company, Tg. Mureş

**15.25 -15.50** ***‘Selected bacterial cultures, a technical solution for reducing the volume of sludge in the treatment facilities. Case study: SEAU Paşcani’***

**Eng. Constantin ANASTASIU** - APAVITAL S.A. and **Eng. Costel-Cătălin PRĂJANU** - APAVITAL S.A.

**15.50 -16.15** ***‘Developing new technologies for the applicability of ultra-filtrating membranes in the small and medium-sized treatment facilities’***

**Eng. Cătălin Valentin NEGOIŢA** - CV WATER

**16.15 -16.40** ***‘Long-lasting and sustainable solutions for the performance and rehabilitation of sewage collectors’***

**Eng. Mihai ŞTEFAN** - Steinzeug-Keramo N.V.

**16.40 -17.05** ***‘Sludge thickening / dewatering with centrifuges’***

**Eng. Götz Martin** - Flottweg Separation Technology SE - Germany and **Eng. Papaianopol Cristian** - CONSULTECH

**17.05 -17.30** ***‘Developing a sustainable approach for the water sector through an integrated public policy: legal framework analysis, drafting the institutional strategic plans and multiannual budget allocation’***

**Ec. Aurelian DANU, PhD.** - Counsellor of the Romanian Water Association - Sustainable Development Expert

**Note:** *The schedule may be subject to change.*

## Closing - final messages

**Prof. Eng. Ion BICA, PhD.** - President of the Technical-Scientific Council of the Romanian Water Association

**Chem. Epsică CHIRU, PhD.** - CEO of the Romanian Water Association

## Organizational details

### Translation

The Romanian Water Association provides (simultaneous) translation from Romanian into English and vice versa of the interventions within the International Technical-Scientific Conference.

### Publishing

In order to add the contributions to the volume of the International Technical-Scientific Conference, the following formats shall be observed:

- Extended work\_WordTemplate.doc

or

- Extended summary\_WordTemplate.doc,

sent to authors.

The presentations shall be published on the website of the Romanian Water Association - Communication Platform (<https://www.ara.ro/sp/platforma-comunicare>), with controlled access, addressed to members.

The Romanian Water Association requests the authors' consent for publishing the works selected by the Editorial Board of the specialty magazine of the Romanian Water Association - **ROMAQUA** (<https://www.ara.ro/sp/romaqua>), in future editions.

The Romanian Water Association reserves the right to publish brief notifications about the event and images of the event on its social media sites.

### Personal Data Protection

The Romanian Water Association - personal data operator - reserves the right to use the contact details provided by participants exclusively for the purpose of facilitating further communication with the participants and among them.

### Contact

Should you have any question about the event logistics, please contact the Romanian Water Association, by email at: [secretariat@ara.ro](mailto:secretariat@ara.ro).

### Drafted by:

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