

**ASSOCIATION FOR WATER TECHNOLOGY
AND SANITARY ENGINEERING**

WATERWORKS AND SEWERAGE ASSOCIATION OF SERBIA

in cooperation with

CHAMBER OF COMMERCE AND INDUSTRY OF SERBIA

and

CITY OF KRAGUJEVAC

ORGANIZE CONFERENCE

**WASTE WATERS,
MUNICIPAL SOLID WASTES
AND HAZARDOUS WASTES**

The Second Announcement



3rd-5th April 2024, KRAGUJEVAC – Hotel Šumarice

www.mwt.rs

Razvoj kompletnog rešenja za prečišćavanje sanitarnih otpadnih voda korišćenjem SBR i MBBR

Kao deo **MIND** – Milanović Industries Group, **Milanović tretman voda** posluje sa sedištem u Srbiji i predstavništvima u Nemačkoj i UAE. Iskustvo duže od 20 godina i stručni tim inženjera iz oblasti tretmana voda, najveće su vrednosti ove kompanije. Kvalitetan i inovativan proizvod, kreiran od strane tima Milanović tretmana voda, uskoro će biti dostupan na tržištu Srbije.

Kompletno rešenje pokriva sve faze, od identifikovanja potreba i planiranja, proizvodnje, instalacije i ugradnje, do servisa i održavanja sistema za prečišćavanje sanitarnih otpadnih voda. Kapaciteta od 100 ES do 7000 ES, ovaj sistem je odlično rešenje za mala i srednja preduzeća, velike kompanije, kao i naselja, opštine i gradove koji imaju potrebu za ovom vrstom tretmana vode.



Kompaktan paketni sistem kontejnerskog tipa koristi SBR i MBBR tehnologiju, a u zavisnosti od potreba klijenata, Milanović tretman voda u mogućnosti je da ponudi adekvatno rešenje za primarni i tercijarni tretman vode.

Tim serviseru u kratkom roku može da reši svaki zahtev korisnika koji se javi tokom rada sistema, dok sam sistem ima mogućnost daljinskog praćenja i nadzora.

Milanović tretman voda

Aleja Milanović bb , 34325 Kragujevac
+381 34 61 70 746
office@mwt.rs, www.mwt.rs

PROJEKTOVANJE I IZVOĐENJE RADOVA

- sanitarne deponije komunalnog i industrijskog otpada
- objekti za tretman opasnog i neopasnog otpada
- sanacija nesanitarnih smetlišta
- rekultivacija devastiranih područja
- javne površine i spoljno uređenje
- uređenje vodotoka i objekti hidrotehničke infrastrukture
- industrijski objekti i postrojenja



- planska i projektna dokumentacija (IDR, IPD, PGD, PZI, PIO, UP, PDR, studije, elaborati...)
- obezbeđivanje građevinskih dozvola kroz Centralnu evidenciju za objedinjenu proceduru - CEOP
- pribavljanje mišljenja i uslova od nadležnih organa i institucija



POSTROJENJA I ISTRAŽNI RADOVI

- postrojenje za ubrzano kontrolisano otplinjavanje i ventilaciju deponija
- postrojenje za tretman otpadnih voda

Licence preduzeća:

- P180G1
- I080G3
- P180T1
- I180G1
- P180G3
- I180G3

ISO standardi:

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

BMD BAU d.o.o. Beograd

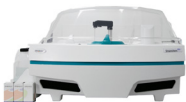
Preduzeće za inženjering, građevinarstvo,
unutrašnju i spoljnu trgovinu
Dr Zore Ilić-Obradović 8/3, 11050 Beograd, Srbija
tel: + 381 11 3470105





a  KPM brand

**AUTOMATSKI
MULTIPARAMETARSKI
ANALIZATOR
SA REFERENTNIM METODAMA**



Ekskluzivni distributer:



www.mclabor.co.rs / office@mclabor.co.rs

1. Uštedite vreme

- Do 600 testova na sat
- Automatska kalibracija
- Automatski QC
- Podesite uređaj, stavite uzorke – i ostavite ga da radi analize preko noći. Ujutru vas čekaju rezultati
- Veliki broj parametara kvaliteta voda u jednom uređaju

2. Uštedite novac

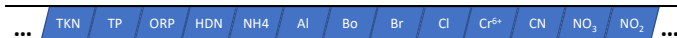
- Potrošnja reagenasa u mikrolitrima umesto u mililitrima
- Ugrađeni sistem za pranje kiveta
- Kivete za višekratnu upotrebu – menjajte ih jednom godišnje (tehnički polimer) ili nikad (staklene)
- Jedan operater je dovoljan za stotine analiza
- Koristite svoje reagense

3. Konsolidujte vašu laboratoriju

- Veliki broj metoda automatizovan u jednom uređaju
- Manji broj zapisa u laboratoriji
- Smanjeno opterećenje tehničara
- Manje zahtevanog prostora
- Manje obuka za zaposlene, manje potreba za obučanim radnicima
- Jedna provera, jedna validacija za čitav niz metoda + raspoloživa dokumentacija za proces validacije

4. Povećajte preciznost i pouzdanost

- Automatsko pravljenje kalibracionih rastvora
- Automatska provera kvaliteta dobijene kalibracije
- Automatska ponovljena merenja / duplikati
- Automatsko re-testiranje rezultata van opsega
- Automatski QC grafici
- Automatska provera optičkog integriteta kiveta nakon pranja



**Dobanovačka 101,
11080 Zemun - Beograd**



**+381 60 333 13 03
+381 60 333 13 16**



Conference

**WASTE WATERS,
MUNICIPAL SOLID
WASTES AND
HAZARDOUS WASTES**

**Hotel „Šumarice” Kragujevac,
03-05. 04. 2024.**

The Second Announcement

HONORARY BOARD

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CONFERENCE TARGETS

In 2024, the Association for Water Technology and Sanitary Engineering is organizing a 53nd conference in the field of municipal and industrial wastewater, municipal solid waste and hazardous waste in the city of Kragujevac.

The conference is intended to gather and connect operators, designers and consultants on the one side with scientific researchers, manufacturers and distributors of equipment on the other side. It will provide a scope for ideas and exchange of opinions and practical experiences.

Forasmuch as the new national programs of wastewater and sewage sludge management, programs of waste management activities that are implemented at the local and regional level in the Republic of Serbia, technological options and achievements that find a place on the market, as well as national programs of support for the development of science in areas that is the conference dedicated to, you are invited to take part in in the course of the conference and contribute to another step in achieving the sustainable development of society in its entirety.

CONFERENCE THEMES

A. WASTE WATERS

Integrated waste waters management

- National and European legislation
- Monitoring and Information systems in water protection
- Laboratory accreditation

Wastewater treatment

- Industrial waste waters treatment
- Municipal waste waters treatment
- Nitrogen and phosphorus removal
- Micro pollutants removal in waste waters
- Sludge treatment
- New technologies

B. MUNICIPAL SOLID WASTES

Integrated waste management

- National and EU legislation
- Prevention, collection, transportation, storage and treatment
- Methods of disposal, recycling and reusing the waste, and energy recovery
- Latest solid waste treatment methods
- Unsanitary landfills, rehabilitation, closure and recultivation
- Sanitary landfills, construction, operation and monitoring
- Circular economy

Specific waste management

- Waste oils management
- Waste tire management
- The management of waste from electrical and electronic products
- The management of packaging and packaging waste

C. HAZARDOUS WASTES

- National and EU legislation
- Industrial hazardous waste
- Medical and pharmaceutical waste
- Domestic hazardous waste
- Persistent waste (POPs)
- Methods of disposal and reuse of hazardous waste
- Labelling, packaging and transport of chemicals and hazardous waste

CONFERENCE PROGRAM

A. WASTE WATERS

1. CAUSES OF POLLUTION OF WATER RESOURCES AND LOAD OF MUNICIPAL WASTEWATER IN THE REPUBLIC OF SERBIA
Radmila Šerović, Filip Abramović, Aleksandra Drobac, Nenad Radojević
2. FACTORS AFFECTING BIOGAS PRODUCTION AT A WASTEWATER TREATMENT PLANT
Dejan Krčmar, Dragana Tomašević Pilipović, Vesna Pešić, Milena Bečelić-Tomin, Aleksandra Kulić Mandić, Nataša Duduković, Đurđa Kerkez
3. DIGITAL TRANSFORMATION OF WATER PROTECTION MANAGEMENT
Marija Milićević, Ratislav Trajković, Dragan Milićević
4. DEVELOPING RESILIENT WATER MANAGEMENT STRATEGIES FOR THE CITY OF BELGRADE
Đorđe Ogrizović, Vasilije Matijašević
5. IMPLEMENTATION OF ANALYTICAL TOOLS FOR MODERN TECHNOLOGIES OF ORGANIC MICROPOLLUTANTS REMOVAL FROM AQUATIC MEDIA
Mladenka Novaković, Ivana Mihajlović, Nevena Živančev, Tijana Adamov, Maja Petrović
6. POTENTIAL APPLICATION OF RED MUD FOR THE REMOVAL OF HEAVY METALS FROM WASTEWATER
Maja Rajković, Maja Đolić, Milica Stojković, Marija Šljivić-Ivanović
7. THE PLANT FOR TREATMENT WASTEWATER FROM WASHING FILTERS FROM WTP “BEŽANIJA” – TECHNICAL SOLUTION
Dragiša Žugić, Olivera Glišović, Milica Sajić, Dimitrije Mihajlović, Bojan Stanačević, Dragan Rajić
8. TREATMENT AND REUSE OF WASTEWATER – OPPORTUNITIES AND CHALLENGES
Vesna Pešić, Milena Bečelić-Tomin, Dejan Krčmar, Anita Leovac Maćerak, Nataša Slijepčević, Nataša Duduković, Đurđa Kerkez
9. InfoLAB IN MONITORING OF WASTEWATER BELGRADE SEWERAGE SYSTEM
Jelena Vukić, Marija Mihajlović-Kostić
10. HIGH – TEMPERATURE REGENERATION PLANT FOR GRANULATED ACTIVATED CARBON AT WTP “MAKIŠ”
Bojan Marković, Bojan Stanačević, Dragan Rajić, Olivera Glišović, Milica Sajić

11. RECONSTRUCTION OF THE PUMPING STATION FOR SLUDGE RECIRCULATION AT WWTP OF THE CITY OF KRAGUJEVAC WITH IMPLEMENTED ENERGY EFFICIENCY MEASURES
Goran Ljubisavljević
12. TREATED MUNICIPAL WASTEWATER – A POTENTIAL RESOURCE IN AGRICULTURE
Nataša Duduković, Anita Leovac-Maćerak, Nataša Slijepčević, Vesna Pešić, Milena Bečelić-Tomin, Dragana Tomašević Pilipović, Đurđa Kerkez
13. QUALITY OF WASTE WATER FROM THE “GRUŽA” WATER SUPPLY SYSTEM
Goran Gavrilović
14. THE POTENTIAL OF SELECTED MICROORGANISMS IN WASTEWATER TREATMENT
Ivana Radojević, Katarina Ćirković, Aleksandar Ostojić, Goran Gavrilović, Ivan Bogdanović, Marijana Vasić
15. ELECTRIC FIELD FOR INCREASING WASTEWATER TREATMENT EFFICIENCY
Ivana Dunić

ROUNDTABLE MEETING:

“MUNICIPAL WASTEWATER MANAGEMENT IN THE RS: CURRENT SITUATION AND URGENT MEASURES”

Prof. dr Milena Bečelić-Tomin

B. MUNICIPAL SOLID WASTE

1. EU TAXONOMY - A FRAMEWORK FOR DEFINING SUSTAINABLE ACTIVITIES AND IMPLEMENTATION THE CIRCULAR ECONOMY
Aleksandra Vučinić, Vesna Alivojvodić
2. AGRICULTURAL RESIDUES AS AN UNUSED RESOURCE: OPPORTUNITIES AND CHALLENGES
Jelena Beljin, Jasmina Anojčić, Tajana Simetić, Sanja Mutić, Nina Đukanović, Tamara Apostolović, Snežana Maletić
3. POTENTIALS FOR REUSE OF INDUSTRIAL TYPES OF WASTE IN ROAD INFRASTRUCTURE
Radmila Šerović, Ivana Jelić, Aleksandar Savić, Filip Abramović
4. ZERO-WASTE POROUS PAVEMENT ALTERNATIVES FOR FLOOD RESILIENT CITIES
Vladana Rajaković-Ognjanović, Branislava Lekić, Zorana Naunović, Ognjen Govedarica, Dimitrije Zakić, Marina Škondrić

5. CONSTRUCTION OF REGIONAL WASTE MANAGEMENT CENTER “KALENIĆ” – TECHNICAL DOCUMENTATION
Petar Isaković, Nemanja Đurović, Nemanja Milić, Nikola Žugić, Milica Nešović, Milica Sajić, Petra Bujas, Dimitrije Stevanović
6. THE IMPACT OF FLOATING ANTI-WASTE DAM BREAKING ON THE RIVER VRBAS WATER QUALITY
Slobodanka Zarić, Aleksandra Tubić, Milena Bečelić-Tomin, Božo Dalmacija, Miroslava Marčić
7. THE METRICS OF SUSTAINABILITY: A CRITICAL REVIEW OF CIRCULAR ECONOMY INDICATORS – EFFICACY AND DEVELOPMENT
Ana Momčilović, Gordana Stefanović, Milica Ivanović
8. APPLICATION OF THE LEACHING TEST FOR ASSESSING THE IMPACT OF MODIFIED CONCRETE CUBES ON ENVIRONMENTAL WATER
Vladana Rajaković-Ognjanović, Zorana Naunović, Ognjen Govedarica, Marina Škondrić
9. CHARACTERIZING BIOCHEMICAL PARAMETERS AND SYNERGISTIC EFFECT OF PRIMARY SLUDGE AND FOOD WASTE CO-DIGESTION
Ivan Bogdanović
10. INFLUENCE OF PYROLYSIS TEMPERATURE ON SELECTED PHYSICAL AND CHEMICAL
Nina Đukanović, Snežana Maletić, Jasmina Anojčić, Tajana Simetić, Sanja Mutić, Tamara Apostolović, Jelena Beljin
11. TRANSFET STATION “MLADENOVAC” CONSTRUCTION WORKS
Miloš Miljković, Miloš Čkonjević,
12. SANATION OF UNSANITARY LANDFILL IN TOPOLA – INVESTIGATIVE WORKS AND TECHNICAL SOLUTION
Bojan Marković, Gordana Perović, Vladimir Kapetina, Olivera Glišović, Jelena Radovanović, Milica Sajić, Marija Savković

C. HAZARDOUS WASTES

ROUNDTABLE MEETING:

JADAR PROJECT - HOW TO ASSESS THE GOOD AND BAD SIDES OF THIS PROJECT

Prof. dr Aleksandar Jovović

GENERAL INFORMATION

THE VENUE

The Conference will take place in the hall of hotel “Šumarice“, situated in Kragujevac. Official opening of the Conference is scheduled for April 3rd, 2024, at 9.30 a.m.

The reception office of the Conference will be open everyday from 10.00 a.m. The Conference activities will be undertaken in accordance with the Working programme provided within the announcement priory presented.

Kragujevac, the capital of Šumadija region is located at 120 km from Belgrade, in the direction south. Kragujevac is important economic, cultural, educational, historical, health and sports centre of Šumadija, Pomoravlje and neighbouring regions. It has been erected on banks of the Lepenica River, in the valley surrounded with slopes of mountains Rudnik, Crni Vrh and Gledić Mountains. Kragujevac was the first capital of modern Serbia (1818-1841). The first gymnasium in Serbia was founded in Kragujevac (1833-1835), as well as *Licej* in 1838, which was considered to be the forerunner of the University in Belgrade. The first Court was founded in 1820, the first National theatre in 1835, the first newspapers, pharmacy, museum and library were all founded in the city of Kragujevac.

EXHIBITION & ADVERTISEMENT

The exhibition of equipment and instrumental analysing devices is accompanying the Conference.

The exhibitors will be listed in the Conference Almanac.

POSTER SESSION

Posters will be placed on April, 3rd 2024 from 9.00 a.m.

Poster section for all three thematic areas will be held on April 3rd, 2024 from 7.00 till 7.30 p.m.

The presence of the authors is mandatory.

GALA DINNER

Gala Dinner will be held in hotel “Šumarice“, on April 4th, 2024 starting from 8.00 p.m.

The participants who are not lodged at the Hotel but want to take participation in Gala Dinner may pay 1.500 RSD at the Hotel reception on the name of participation.

PROFESSIONAL AND TOURISM PROGRAM

The professional excursion includes a tour of:
MIND PARK – Milanović Water Treatment
Departure is on Friday, April 5th, at 11.00 a.m. in front of Hotel “Šumarice”.

FEE

For participation in the Conference, the registration fee in the amount of 15.000 RSD per participant is established.

Payment should be made to the current account of the Association for Water Technology in the Bank Poštanska štedionica Beograd, No. 200-2710660101033-65, PIB 100066795, Registration number 07025572, no later than the beginning of the Conference.

Payment of the registration fee grants participation in the Conference, Almanac, professional and touristic program.

The authors are not exempted from paying the registration fee. The registration fee is not refundable.

REGISTRATION FORM

Application form should be sent to the Association's e-mail address: office@utvsi.com (please find enclosed the registration form)

ASSOCIATION FOR WATER TECHNOLOGY AND
SANITARY ENGINEERING
11000 Belgrade, Terazije 23 / IV / 416
Serbia

OTHER INFORMATION

Authors will be timely informed about the method of presentation, before the Conference.

For oral presentation, the authors are given **10 minutes**.

For a statement on posters (including title, authors' names and institutions) authors will be provided an area of **1 m x 1 m**. The authors are asked to adapt the size and graphic materials to the possibility of tracking the content from a 2m distance.

The costs of accommodation and travel shall be payed by the participants themselves.

APPLICATION FOR HOTEL

Participants were provided with the accommodation at the hotel "Šumarice". The participants are advised to make reservations via phone:

Sales department: + 381 (0) 34 336 180.

Or by e-mail: sumarice@sumaricedoo.com with an indication: **Conference UTVSI.**

Accommodation should be booked up to 18.03.2024.

After this deadline, the organizers can not guarantee the accommodation.

Prices for the Pansion:

- The double room per person - 7.020,00 RSD.
- In a single room - 9.020,00 din. (Limited number of rooms available)

Local taxes and insurance are included in the price.

Transport should be organized by the participants.

All additional information could be obtained by contacting the Association via below provided phone numbers

tel.: +381 (0) 11 244 22 28;

mob.: +381 (0) 64 165 85 79 (Svetlana Đurica)

mob: +381 (0) 60 606 99 22 (Bojana Vranešević)

e-mail: office@utvsi.com

CONFERENCE PROGRAM

The first day

Wednesday 3rd April

- 9.00-9.30 Exhibition opening
- 9.30-10.30 Conference Opening Ceremony
- 10.30-13.00 Works relevant to the thematic area of A. WASTE WATERS and companies' presentations
- 13.00-13.15 *Coffee break*
- 13.15-14.45 Continuation of the thematic area A. and companies' presentations
- 14.45-15.45 *Lunch*
- 15.45-16.45 Continuation of the thematic area A. and companies' presentations
- 16.45-18.15 Round table: "MUNICIPAL WASTEWATER MANAGEMENT IN THE REPUBLIC OF SERBIA; CURRENT SITUATION AND URGENT MEASURES", Prof. Milena Bečelić Tomin PhD
- 19.00-19.30 Section dedicated to the posters relevant to three Conference thematic areas – selection of the most successful poster (posters should be set for an exhibition during the break)

The second day

Thursday 4th April

- 10.00-12.30 Works relevant to the thematic area of B. MUNICIPAL SOLID WASTES and companies' presentations
- 12.30-12.45 *Coffee break*
- 12.45-14.45 Continuation of the thematic area B. and companies' presentations
- 14.45-15.45 *Lunch*
- 15.45-17.15 Round table: "JADAR PROJECT - HOW TO ASSESS THE GOOD AND BAD SIDES OF THIS PROJECT", Prof. Aleksandrs Jovović PhD
- 17.00-18.00 Discussion and conclusions of the Conference
- 20.00 GALA DINNER
Gala Dinner will be held in hotel "Šumarice"

The third day

Friday 5th April

- 11.00 The professional excursion includes a tour of: MIND PARK – Milanović Water Treatment. Bus departure in front of Hotel „ Šumarice“