



الجمهورية الجزائرية الديمقراطية الشعبية
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Unité de Développement des Equipements Solaires



International Conference on Sustainable Water Treatment Technologies and Environment

SUST-WATER 2023

UDES - Tipasa

November 27 -28, 2023

Conference Program

Day 1: Monday, 27 November 2023

07h30 -
09h00

Registration

Opening Ceremony and Welcome Note

09h00-09h30

Pr. BOUHICHA Mohamed (DGRSDT, General Director)
Pr. Nouredine ABDELBAKI (CDER, General Director)
Dr. ABBAS Mohamed (UDES, Conference chair)

09h30-10h00

Plenary 1

Pr. Ahmed Kettab

Title

Le dessalement des eaux de mer; option incontournable et obligatoire pour assurer la sécurité hydrique et alimentaire de l'Algérie

10h00-10h15

Coffee Break

10h15-10h40

Poster Session 1: P1 - P30

Session 1

Chair : Pr. Hassan Mahmoudi , Pr. Frank Rögener, Dr. Nadjib Derouiche & Dr. Lamine Aoudjit

10h40-11h30

Plenary 2

Pr. Abdeltif Amrane

Title

The coupling of an electrochemical process and a biological treatment for the removal of recalcitrant organic compounds – Case study: nitroimidazole antibiotics family

11h30-12h20

Plenary 3

Pr. Zacharias Frontistis

Title

Harnessing the potential of biochars for environmental protection

12h20-12h40

Stakeholder presentation 1

Mr. abdelhalim berriah-Environment, health and safety Director-GICA

Title

Développement durable et opportunités dans l'industrie cimentière

12h40-13h00

Stakeholder presentation 2

Mr. Chaffi Mohamed - Directeur Général de BENI SAF WATER COMPANY Spa

Title

INTEGRATION DES ENERGIES RENOUVELABLES DANS LE DESSALEMENT D'EAU DE MER CAS D'ÉTUDE : STATION DE DESSALEMENT D'EAU DE MER DE BENI SAF

13h00- 14h00

Lunch

Session 2

Chair : Pr. Zacharias Frontistis , Pr. Abdeltif Amrane & Dr. Hafida Lebig

14h00-14h30

Keynote speaker 1

Pr. Hassan Mahmoudi

Title

Water and Climate Change

14h30-15h00	Keynote speaker 2	Dr. Igoud Sadek- UDES
	Title	Electricity consumption of the Algerian wastewater treatment sector and decarbonization possibilities

Session 3

Chair : Pr. Ahmed Kettab , Dr. Hanane Aburideh & Dr. Djamila Zioui

15h00-16h00	Oral Session 1: Or1 - Or6	
15h00-15h10	Or-1: LAKHDARI HOCINE	
	Leakage and Water losses	
15h10-15h20	Or-2: BENSADI SOFIANE	
	Effect of PSS concentration on performance of CTA-based membranes for seawater pretreatment	
15h20-15h30	Or-3: HIBA Benamor	
	Removal of Malachite Green Dye from Water Using MAX phases	
15h30-15h40	Or-4: Yassine Berbar	
	Introduction of amino-acids in the thin film composite for enhancing membrane performances	
15h40-15h50	Or-5: GOUACEM LASSAAD	
	Performance analysis of drinking water supply systems at low metering level: Case study in the Medea region, Algeria	
15h50-16h00	Or-6: fawzia taieb brahim	
	Development of a Biopolymer-Based Composite Material	

16h00-16h15 Coffee Break

16h15-16h30 Poster Session 2: P31- P60

Day 2: Tuesday, 28 November 2023

08h30-09h00 Registration

Session 1

Chair : Pr. Abdeltif Amrane, Pr. Amr Seoudy & Dr. Djilali Tassalit

09h00-09h50	Plenary 1	Pr. Noredine Ghaffour
	Title	Novel forward osmosis – membrane distillation (FO-MD) integrated system for produced water treatment
09h50-10h40	Plenary 2	Pr. Frank Rögener
	Title	Electrodialysis (ED) and electrodialysis reversal (EDR) for the concentration of Li containing solutions. Initial investigations for the recovery of lithium from secondary raw materials

10h40-10h55 Coffee Break and Poster Session 3

10h55-11h10 Poster Session 3: P61- P90

Session 2

Chair : Pr. Noredine Ghaffour, Dr . Benhabiles & Dr. Zahia Tigrine

11h10-11h25	Stakeholder presentation	Dr. Abdelmalek BELATOUI- Directeur Général Adjoint -Ténès Lilmiyah, SpA
	Title	Contribution de la conception des émissaires de rejets de saumure sur l'atténuation de l'impact significative sur le milieu marin récepteur

11h25-11h35	Stakeholder presentation	M. Ali ZENZANE - Gérant Sarl Maghreb Eau et Environnement (MEE)
	Title	Présentation de la Sarl Maghreb Eau et Environnement (MEE) et les objectifs de la société dans le domaine de traitement des Eaux
11h35-12h05	Keynote speaker 1	Pr. Woei-Jye Lau
	Title	Greener Approaches to the Synthesis of Thin Film Composite Membranes for Saline Water Recovery
Session 3		
Chair : Pr. Benali Mouffok, Dr . Sarra Hout , Dr . Sadek Igoud & Dr. Belgassim Boutra		
12h05-13h05	Oral Session 2: Or7- Or12	
12h05-12h15	Or-7: BOUBEKEUR ABERKANE	
		Study on the quality of drinking water produced by the Cap Djinet seawater desalination plant (CDJ, Boumerdes)
12h15-12h25	Or-8: SABER Meryem	
		Sewage Sludge as potential cosubstrate for anaerobic codigestión with slaughterhouse wastes
12h25-12h35	Or-9: RAHMANI AHMED	
		Experimental Evaluation of the Shadow Effect on the Single-Slope Solar Still Performance
12h35-12h45	Or-10: SEBTI AICHA	
		Photodegradation of solophenyl brown AGL using TiO2 semiconductor under sunlight
12h45-12h55	Or-11: Kerfah rabah	
		Effect of the operating time of a thermo-electric cooling system of the glass cover on the production a basin solar still
12h55-13h05	Or-12: Aymen Zegaar	
		Integrating Machine Learning Interpretable Models and Remote Sensing Data for Water Quality Prediction
13h05-14h00	Lunch	
Session 4		
Chair : Pr. Noredine Ghaffour, Pr. Ahmed Kettab, Pr. Abdeltif Amrane, Pr. Frank Rögener & Dr. Mohamed Abbas		
14h00-14h50	Plenary 3	Pr. Amr Seoudy
	Title	Comparative Analysis of Centralized and Decentralized Control Systems for Nuweiba SWRO Desalination Plant
14h50-15h40	Plenary 4	Pr. Kamel-Eddine BOUHIDEL
	Title	Water Treatment and Desalination using Capacitive DeIonization (CDI), an Emerging and Promising Technology: Basics, Applications, State of the Art and Case Studies
15h40-16h00	Conference Closing Ceremony - Farewell Coffee	