



The 3rd Maghreb Conference on Desalination and Water Treatment

“CMTDE 2011”



18 – 22 December 2011 Hammamet – Tunisia



Conference Program

The reception of the participants will take place at the hotel (Sol Azur Beach Congress) on Sunday 18 December 2011 starting from 15h00.

Sunday 18 December 2011

15:00 Registration

20:00 Dinner

Monday 19 December 2011

8:00-9:00 Registration

Room "Forum"

- 9:00-10:00 *Opening Ceremony*
- Prof. Béchir Hamrouni, Tunisian Desalination Association President.
 - Official opening (to be confirmed).
 - Prof. Miriam Balaban, General Secretary of Europran Desalination Society, Editor in chief of the Journal Desalination and Water Treatment.

10:00-10:30 *Coffee break***Room "Forum"**10:30-11:00 **Conference 1** : *Mr. Abdelraouf NOUCER (SONEDE-Tunisia)* : La stratégie de la SONEDE dans le dessalement des eaux.11:00-11:30 **Conference 2** : *Prof. Ahmed KETTAB (LRS-EAU/ENP-Algeria)* : Réalités, expériences et coopération dans le dessalement de l'eau en Afrique du Nord.11:30-12:00 **Conference 3** : *Prof. Jamila TARHOUNI (INAT-Tunisia)* : L'eau virtuelle: situation actuelle et opportunités d'amélioration du bilan en eau.12:00-12:30 *Discussion*12:30-14:00 *Lunch***Room "Forum"**14:00-14:45 **Conference 4** : *Mr. Fethi KAMEL (SONEDE-Tunisia)* : L'expérience tunisienne dans le domaine du dessalement des eaux.14:45-15:30 **Conference 5** : *Prof. Azzeddine ELMIDAoui (MMDS-Morocco)* : L'expérience Marocaine dans le domaine du traitement et dessalement des eaux.**Room "Forum"****Room "Utique"****Room "Salambo"****Membrane synthesis/ modification****Membrane distillation****UF and liquid membrane**

	Room "Forum"	Room "Utique"	Room "Salambo"
	Membrane synthesis/ modification	Membrane distillation	UF and liquid membrane
15:30-15:50	CMTDE_9 Surface modification of microfiltration ceramic membrane by fluoroalkylsilane <i>M. Khemakhem, S. Khemakhem, R. Ben Amar</i>	CMTDE_30 Application Of Grafted Ceramic Tunisian Clay Membranes In Membrane Distillation Process For Water Desalination <i>Sabeur Khemakhem and Raja Ben Amar</i>	CMTDE_27 A supported liquid membrane system for efficient extraction of vanillin from aqueous solutions <i>Chiraz Zidi, Rafik Tayeb, Mahmoud Dhahbi</i>
15:50-16:10	CMTDE_28 Application Of A New Cationic Exchange Membrane For Electrodialysis. <i>J. Aïssaoui, E. Selmane Bel Hadj Hmida, J.F. Fauvarque, M. Dachraoui</i>	CMTDE_43 Simulation Of A Solar Thermal Membrane Distillation: Comparison Between Linear And Helical Fiber <i>Adel Zrelli, Béchir Chaouchi, Slimane Gabsi</i>	CMTDE_29 Removal Of Cadmium And Zinc From Aqueous Solution By Polyelectrolyte Enhanced Ultrafiltration <i>D. Jellouli Ennigrou, M. Ben Sik Ali, M. Dhahbi</i>
16:10-16:30	CMTDE_82 Synthesis And Characterization Of New Cross Linked Membranes Based Polyethersulfone For Proton Exchange Membrane Fuel Cells Applications <i>W. Mabrouk, L. Ogier, S. Vidal, M. Dachraoui, C. Sollogoub, F. Matoussi, J. F. Fauvarque.</i>	CMTDE_136 Design of an autonomous solar vacuum membrane distillation for seawater desalination <i>N. Frikha, R. Matlaya, B., Chaouachi, S. Gabsi</i>	CMTDE_42 Removal Of Phenolic Compounds From Synthetic Wastewater Using Cross-Flow Micellar Enhanced Ultrafiltration <i>A. El-Abbassi, A. Hafidi and J. Hoinkis</i>
16:30-16:50	CMTDE_190 Modification of an anion exchange membrane surface: Temperature dependence of anion exchange equilibrium <i>Guesmi F., Hannachi Ch. and Hamrouni B.</i>	CMTDE_137 Simulation of an autonomous solar vacuum membrane distillation for seawater desalination <i>N. Frikha, R. Matlaya, B., Chaouachi, S. Gabsi</i>	CMTDE_108 Investment and Production Costs Of Desalination Plants By Semi-Empirical Method <i>Salah Frioui, Rabah Oumeddour</i>

16:50-17:20 *Coffee break*17:20-18:20 *Poster session 1: (from CMTDE_ 2 to CMTDE_ 73)*

Posters scheduled for session 1 must be displayed before 14H / Authors are required to remain near their posters during the session for any discussion

20:00 *Dinner*

Tuesday 20 December 2011**Room "Forum"**

9:00-9:45	Conference 6 : <i>Mr. Pascal COLIN (VEOLIA)</i> : L'ACTIFLO : Ses applications dans le domaine des eaux potables et résiduaires industrielles.
9:45-10:30	Conference 7 : <i>Mr. Pascal COLIN (VEOLIA)</i> : Le MBBR : Un procédé d'épuration biologique de nouvelle génération adapté aux effluents complexes.
10:30-11:00	<i>Coffee break</i>
11:00-11:45	Conference 8 : <i>Mr. Pascal COLIN (VEOLIA)</i> : La méthanisation granulaire EGSB : un procédé efficace de valorisation énergétique et ses applications dans l'industrie agro alimentaire.
11:45-12:30	Conference 9 : <i>Mr. Pascal COLIN (VEOLIA)</i> : Valorisation énergétique des déchets : les procédés Biomet.
12:30-14:00	<i>Lunch</i>

Room "Forum"

14:00-14:45	Conference 10 : <i>Prof. Raja BEN AMAR (ENIS-Tunisia)</i> : Intégration des procédés membranaires dans le traitement des effluents industriels.
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	Room "Forum"	Room "Utique"	Room "Salambo"
	Wastewater treatment (I)	Water treatment	Wastewater treatment (II)
14:45-15:05	CMTDE_86 Treatability And COD Fractionation Of High Salinity Industrial Wastewater <i>C. Fall, E.L. Millán-Lagunas, M. Esparza-Soto, D. García-Pulido, I. Gallego-Alarcón, C. Díaz-Delgado And K.M. Ba.</i>	CMTDE_52 Adsorption Of Cadmium Onto Natural And Activated Clay <i>Khalfa L., Bagané M.</i>	CMTDE_138 Quantitative and Qualitative Characteristics Of Greywater For Reuse Requirements And Treatment Alternatives : The Case Of The Student Housing Complex At Tunisia <i>M. Lamine, D. Saamii N. Sendy, And A. Ghrabi</i>
15:05-15:25	CMTDE_92 Study On An Activated Sludge Stirred Reactor Application : Wastewater Treatment <i>F.K. Kies, A. F. Arfi, M. A. Sebaa, F. Bentahar</i>	CMTDE_60 Use Of Synthetic Nap-1 Zeolite In Removal Of Cd ²⁺ Ions <i>D. Nibou, A. Benmessaoud, N. Merabet, And S. Amokrane</i>	CMTDE_145 Removal Of Cr (III) From Model Solutions By Isolated Aspergillus Niger And Aspergillus Oryzae Living Microorganisms: Equilibrium And Kinetic Studies <i>M. N. Sepehr, M. Zarrabi, A. Amrane</i>
15:25-15:45	CMTDE_157 Treatment of textile effluents supplied from rinsing operations using Nanofiltration for on-site reuse <i>A. Aouni, C. Fersi, M. Dhahbi</i>	CMTDE_70 Experimental design methodology applied to optimize the defluoridation by adsorption on activated alumina <i>Meral Mouelhi, Ikhllass Marzouk, Béchir Hamrouni</i>	CMTDE_142 Study of the removal Of Dyes On Activated Carbon Issued From Cryogenic Grinding Of Scrap Tires <i>I.ould Brahim, M. Belmedani, A. Belgacem, H. Hadoun, Z. Sadaoui</i>
15:45-16:05	CMTDE_214 Treatment of textile wastewater by ceramic ultrafiltration membrane <i>Ridha Lafi, Lassaâd Gzara, Amor Hafiane</i>	CMTDE_132 Removal Of Cd(II) From Aqueous Solutions By Adsorption Onto Natural And Acid-Activated Clay <i>Khalfa L., Bagané M.</i>	
16:05-16:30	<i>Coffee break</i>		
16:30-17:30	Poster session 2 : (from CMTDE_78 to CMTDE_143) Posters scheduled for session 2 must be displayed before 14H / Authors are required to remain near their posters during the session for any discussion.		
20:00	<i>Dinner</i>		

Wednesday 21 December 2011**Room "Forum"**

9:00-9:30	Conference 11 : Mr. Abdessalem EL KHAZEN (ANME-Tunisia) : Dessalement des eaux et énergies renouvelables.	
9:30-10:00	Conference 12 : Pr. Sadok BEN JABRALLAH (FSB- Tunisia) : Solar desalination : state of the art and perspectives.	
10:00-10:30	<i>Coffee break</i>	
10:30-11:00	Conference 13 : K. C. KAVVADIAS (IAEA-Austria) : An International Overview of Economics of Nuclear Desalination.	
11:00-11:30	<i>Discussion</i>	
11:30-11:50	CMTDE 8 : Theoretical correlation for estimating a hybrid solar still yield. N. Hidouri, K. Hidouri, A. BenBrahim, S. Gabsi	
11:50-12:10	CMTDE 16 : Optimization and modeling of a solar still with heat storage. N. Smakdji, A. Kaabi	
12:10-12:30	CMTDE 205 : Optimization of the evaporation of a falling film in a vertical channel. I Manai, K. Fahem, S. Harmand , J. P. Corriou, S. Ben Jabrallah	
12:30-14:00	<i>Lunch</i>	
14:00-14:45	Conference 14 : Pr. Lakdher Kairouani (ENIT-TUNISIA) : Le Dessalement par congélation.	
	Room "Forum"	Room "Utique"
	Desalination/Energie	Wastewater treatment
14:45-15:05	CMTDE 15 Solar Desalination Based on Multiple Effect Humidification Process : Design and Thermal performance Khalifa Zhani and Habib Ben Bacha	CMTDE 18 Removal of dyes from aqueous solutions by waste Tunisian palm Guiza S., Bagane M.
15:05-15:25	CMTDE 179 Feasibility study of wind-desalination systems in southern Algeria Z. Triki*, M. N. Bouaziz*, M. Boumaza**	CMTDE 215 Removal of boron from seawaters by electrocoagulation using experimental design methodology Missaoui K, Bouguerra W, Hamrouni B.
15:25-15:45	CMTDE 213 PEBAX membranes for water desalination by pervaporation process S. Ben Hamouda*, A. Boubakri And Mohamed Ben Amor	CMTDE 150 Enzymatic Decolourization of textile effluents by turnip and courgette peroxidase Ahmedi A. , Boucherit N. and Abouseoud M.
15:45-16:05	CMTDE 151 Mathematical modeling of a solar still coupled to a compression heat pump Ben Halima H. ; Frikha N. ; Ben Slama Romdhane ; Gabsi S.	
16:05-16:30	<i>Coffee break</i>	
16:30-17:30	Poster session 3 : (from CMTDE_ 144 to CMTDE_ 212) Posters scheduled for session 3 must be displayed before 14H / Authors are required to remain near their posters during the session for any discussion.	
20:00	<i>Dinner</i>	

Thursday 22 December 2011**Room "Forum"**

10:00-11:30	<i>Round Table & Closing session</i>
11:30	<i>Election of the executive committee of the Tunisian Desalination Association (TDA)</i>
12:00	<i>Lunch</i>