

IWA MTWR 2010
CONFERENCE PROGRAM AND
SCHEDULE OF EVENTS

**IWA REGIONAL CONFERENCE AND EXHIBITION ON MEMBRANE TECHNOLOGY
AND WATER REUSE**

18-22 OCTOBER 2010

ISTANBUL – TURKEY

IWA MTWR 2010 Conference Program and Schedule of Events

Time	October 18, 2010 Monday	October 19, 2010 Tuesday	October 20, 2010 Wednesday	October 21, 2010 Thursday	October 22, 2010 Friday
7.30-8.00					
8.00-9.00		Registration - Poster Settings	Registration - Poster Settings		Technical Tours
9.00-9.10					
9.10-10.00		Opening Ceremony Hall: Uskudar 1-3	Parallel Sessions (Water Reuse with Membranes, Membrane Bioreactors, New Membrane Materials) Hall: Uskudar 1-3	Parallel Sessions (Membrane Based Seawater and Brackish Desalination, Removal of Emerging Substances, Industrial Wastewater Treatment and Reuse) Hall: Uskudar 1-3	
10.00-10.30		Plenary Lecture 1 Hall: Uskudar 1-3			
10.30-11.00		Coffee Break – Official Opening Ceremony of Ab-ı Hayat (Water Culture Exhibition)			
11.00-13.00		Plenary Lectures 2-4 Hall: Uskudar 1-3	Coffee Break		
			Parallel Sessions (Water Reuse with Membranes, Membrane Bioreactors, New Membrane Materials) Hall: Uskudar 1-3	Parallel Sessions (Membrane Based Seawater and Brackish Desalination, Removal of Emerging Substances, Industrial Wastewater Treatment and Reuse) Hall: Uskudar 1-3	
13.00-14.00		Lunch			
		Parallel Sessions (Water Reuse with Membranes, Membrane	Parallel Sessions (Membrane Based Seawater and Brackish	Parallel Sessions (Membrane Fouling	

14.00-15.30		Bioreactors, New Membrane Materials) Hall: Uskudar 1-3	Desalination, Membrane Bioreactors, Industrial Wastewater Treatment and Reuse) Hall: Uskudar 1-3	and Control for Reuse, Removal of Emerging Substances, Energy Production, Hybrid Membrane Processes) Hall: Uskudar 1-3	Technical Tours
15.30-16.00	Registration Istanbul Congress Center B2 Floor	Coffee Break - Poster Presentation	Coffee Break - Poster Presentation		
16.00-16.10		Parallel Sessions (Water Reuse with Membranes, Membrane Bioreactors, New Membrane Materials) Hall: Uskudar 1-3	Parallel Sessions (Membrane Based Seawater and Brackish Desalination, Membrane Bioreactors, Industrial Wastewater Treatment and Reuse) Hall: Uskudar 1-3	Coffee Break	
16.10-16.30				Closing Ceremony Hall: Uskudar 2	
16.30-17.00					
17.00-18.00					
18.00-19.00	Welcome Reception Istanbul Congress Center B1 Floor				
19.00-20.00				Conference Dinner	
20.00-21.00					

IWA MTWR 2010 CONFERENCE PROGRAM

Day	Time	Program		
1st Day Monday October, 18 2010	15.30-18.00	Registration		
	18.00-20.00	Welcome Reception		
2nd Day Tuesday October, 19 2010	7.30-18.00	Registration		
	9.10-10.00	Opening Ceremony		
	10.00-10.30	Plenary Lecture 1		
	10.30-11.00	Coffee Break – Official Opening Ceremony of Ab-ı Hayat (Water Culture Exhibition)		
	11.00-13.00	Plenary Lecture 2-4		
	13.00-14.00	Lunch		
	Session 1.1: 14.00-15.30	Water Reuse with Membranes (1)	Membrane Bioreactors (MBR) (1)	New Membrane Materials (1)
	15.30-16.00	Coffee Break-Poster Presentation		
	Session 1.2: 16.00-18.00	Water Reuse with Membranes (2)	Membrane Bioreactors (MBR) (2)	New Membrane Materials (2)
3th Day Wednesday October, 20 2010	08.00-18.00	Registration		
	Session 2.1: 9.05-10.55	Water Reuse with Membranes (3)	Membrane Bioreactors (MBR) (3)	New Membrane Materials (3)
	10.55-11.10	Coffee Break		
	Session 2.2: 11.10-12.50	Water Reuse with Membranes (4)	Membrane Bioreactors (MBR) (4)	New Membrane Materials (4)
	13.00-14.00	Lunch		
	Session 2.3: 14.00-15.30	Membrane Based Seawater and Brackish Desalination (1)	Membrane Bioreactors (MBR) (5)	Industrial Wastewater Treatment and Reuse (1)
	15.30-16.00	Coffee Break-Poster Presentation		

	Session 2.4: 16.00-18.00	Membrane Based Seawater and Brackish Desalination (2)	Membrane Bioreactors (MBR) (6)	Industrial Wastewater Treatment and Reuse (2)
4th Day Thursday October, 21 2010	Session 3.1: 9.05-10.55	Membrane Based Seawater and Brackish Desalination (3)	Removal of Emerging Substances (1)	Industrial Wastewater Treatment and Reuse (3)
	10.55-11.10	Coffee Break		
	Session 3.2: 11.10-12.50	Membrane Based Seawater and Brackish Desalination (4)	Removal of Emerging Substances (2)	Industrial Wastewater Treatment and Reuse (4)
	13.00-14.00	Lunch		
	Session 3.1: 14.00-16.10	Membrane Fouling and Control for Reuse	Removal of Emerging Substances (3) - Energy Production	Hybrid Membrane Processes
	16.10-16.30	Coffee Break		
	16.30-17.00	Closing Ceremony		
	19.00-	Conference Dinner		
5th Day Friday October, 21 2010	07.45-18.00	Technical Tours		

Time	1 st Day: October 18, 2010 - Monday
15.30-18.00	Registration
18.00-20.00	Welcome Reception Istanbul Congress Center B1 Floor

Time	2 nd Day: Tuesday - October 19, 2010		
7.30-18.00	Registration		
9.10-10.00	Opening Ceremony (Hall: Uskudar 1-3)		
10.00-10.30	Plenary Lecture 1: Hasan Z. Sarıkaya and Lutfi Akca (Ministry of Environment and Forestry, Turkey) : <i>Wastewater Treatment and Reuse in Turkey: Present and Future Perspectives</i> (Hall: Uskudar 1-3)		
10.30-11.00	Coffee Break – Official Opening Ceremony of Ab-ı Hayat (Water Culture Exhibition)		
Plenary Lectures	Chair: Prof.Dr. Roger Ben Aim (Hall: Uskudar 1-3)		
11.00-11.40	Plenary Lecture 2: Joerg Drewes (Colorado School of Mines, USA): <i>Potable reuse: Overcoming the remaining constraints</i>		
11.40-12.20	Plenary Lecture 3: Mathias Wessling (RWTH Aachen University, Germany): <i>Real time fouling visualization</i>		
12.20-13.00	Plenary Lecture 4: Amy Childress (University of Nevada-Reno, USA) : <i>The paradigm shift from reverse osmosis: forward osmosis and pressure-retarded reverse osmosis</i>		
13.00-14.00	Lunch		
Session 1.1: 14.00-15.30	Chair: Dr. Valentina Lazarova	Chair: Prof.Dr. Kazuo Yamamoto	Chair: Prof.Dr. Chung-Hak Lee
	Water Reuse with Membranes (1) Hall: Uskudar 1	Membrane Bioreactors (MBR) (1) Hall: Uskudar 2	New Membrane Materials (1) Hall: Uskudar 3
14.00-14.30	Keynote 1: New sources of water: Optimizing the use of membranes <i>R.B. Aim, K. Chinu, M. A. H. Johir, S. Vigneswaran, J. Kandasamy (France, 448)</i>	Keynote 2: Do we design membrane bioreactors correctly? <i>F.-B. Frechen, D. Wedi, W. Schier (Germany, 499)</i>	Keynote 3: Nanomaterial-enabled membranes: fullerene composites for desalination <i>M. R. Wiesner, Z. Hendren, S.-R. Chae, H. Shawky (USA, 424)</i>
14.30-14.45	MBR and tertiary filtration – Key technologies for water reuse <i>H. Möslang, M. Brockmann (Germany, 70)</i>	Design optimization of membrane bioreactor <i>V. Sarin, K.K. Pant, T. R. Sreerishnan (USA, 498)</i>	Microstructured hollow fiber membranes for ultrafiltration <i>P. Z. Çulfaz, E. Rolevink, R. G.H. Lammertink, M. Wessling (Netherlands, 42)</i>
14.45-15.00	The Sulaibiya wastewater treatment and reclamation project water reuse options up to WHO drinking water standard <i>H.K. Winkler, W. Widmann, I. Al-Ghusain (Austria, 361)</i>	Effect of hydraulic retention time (HRT) on the performance of a hybrid growth membrane bioreactor (HG-MBR) <i>F. Yang, Y. Wang, M. Herzberg, A. Bick, Y. Manor, G. Oron (Israel, 183)</i>	Synthesis and properties of functionalized carbon nanotubes blend membrane for forward osmosis <i>H.-G. Choi, H. Choi (South Korea, 210)</i>
15.00-15.15	Urban and industrial wastewater reuse case studies employing Kubota SMU®: Sustainable Water Resource Management <i>M. Kanai, F. Varidakis, Y. Oi (United Kingdom, 239)</i>	Large-scale membrane bioreactors for municipal wastewater treatment <i>J. Hadler, C. Kullmann (Germany, 22)</i>	Modification of NF membrane surface for NOM fouling reduction <i>M. N. Abu Seman ve N. Hilal (United Kingdom, 503)</i>
15.15-15.30	Discussion	Discussion	Discussion
15.30-16.00	Coffee Break-Poster Presentation		

Session 1.2: 16.00-18.00	Chair: Dr. Wernfried Schier	Chair: Prof.Dr. Tony Fane	Chair: Prof.Dr. Vlad Tarabara
	Water Reuse with Membranes (2) Hall: Uskudar 1	Membrane Bioreactors (MBR) (2) Hall: Uskudar 2	New Membrane Materials (2) Hall: Uskudar 3
16.00-16.15	Case Study of Pasakoy AWTP's Reuse and UV Disinfection System <i>G. Güneş, A. Demir, O. Yıldız, H. E. Abamor, S. Erarslan (Turkey, 517)</i>	Complex bacterial communities on the fouled membrane of an inclined plate mbr treating municipal wastewater as identified by molecular based analysis <i>P.M. Fontanos, K. Yamamoto, F. Nakajima, K. Fukushi (Japan, 479)</i>	Comparison of direct surface water treatment performance of ceramic and polymeric membranes <i>B. Hof, J. Ogier, E. Beerendonk, E. Cornelissen, J. Hofman (The Netherlands, 502)</i>
16.15-16.30	Treated wastewater reuse in agriculture and its feasibility: A case study from a palestinian district <i>I. Al-Zeer, I. A. Al-Khatib (Palestine, 441)</i>	Correlation between microbial community structure and biofouling in MBR <i>S. Y. Lim, S. R. Kim, H. S. Oh, C. H. Lee, K. M. Yeon, S. Kim, J. Chun (South Korea, 380)</i>	Electron beam-based functionalization of polymer membranes <i>A. Schulze, B. Marquardt, S. Kaczmarek, R. Schubert, A. Prager, M. R. Buchmeiser (Germany, 106)</i>
16.30-16.45	New system for reuse of grey water in Iraqi rural area <i>A. Ghawi, A. Al-Jeeboory (Iraq, 19)</i>	MBR process using high-performance PVDF flat-sheet membrane Energy cost analysis and results from full scale systems <i>A. Kitanaka, N. Matsuka, T. Uemura, P. Kueppers (Switzerland, 422)</i>	Industrial nanofiber membrane production for separation technology <i>A. Demir, T. Gumus (Turkey, 434)</i>
16.45-17.00	Influence of operating conditions on the performances of a membrane bioreactor for on-site greywater recycling <i>G. Bulteau, F. Hourlier, A. Massé, P. Jaouen, A. Lakel, C. Gérente, C. Faur, P. Le Cloirec (France, 243)</i>	Effect of dissolved oxygen on hydrogenotrophic denitrification in membrane biofilm reactors <i>J. H. Hwang, N. Cicek, J. A. Oleszkiewicz (Canada, 41)</i>	Polyelectrolyte multilayer films as backflushable nanofiltration membranes with tunable hydrophilicity and surface charge <i>W. Shan, P. Bacchin, P. Aimar, M. Bruening, V. Tarabara (USA-France, 507)</i>
17.00-17.15	Application of dual membrane systems for integrated use of wastewater and rainwater <i>R. Kim, J. Park, H. Kim, J. Lee, S. Lee (South Korea, 376)</i>	High salinity slops treatment through a biofilm-MBR inoculated with halophilic bacteria <i>M. Torregrossa, G. Viviani, G. Mancini, D. Di Trapani, G. Di Bella, M. Capodici (Italy, 394)</i>	Effect of D2EHPA and DBP as additives on PEEKWC membrane properties prepared by wet phase inversion <i>S. Bey, M.G. Buonomenha, M. Benamor, E. Drioli (Algeria- Italy, 120)</i>
17.15-17.30	Development of a novel MBR system integrating wastewater reuse and rainwater harvesting <i>T. S. Lee, E.J. Mun, S. K. Hong, J. Kwangsik (South Korea, 295)</i>	Fouling and effluent quality of thermophilic and mesophilic aerobic side-stream membrane bioreactors <i>A. Abeynayaka (Thailand, 346)</i>	Investigation the effect of pH in the removal of chromium from aqueous solution by using polyaniline/polystyrene nanocomposite <i>H. Eisazadeh, B. Davodi, M. S.</i>

			<i>Lashkenari (Iran, 318)</i>
17.30-18.00	Discussion	Discussion	Discussion

Time	3th Day: Wednesday - October 20, 2010		
Session 2.1: 9.05-10.55	Chair: Prof.Dr. Joerg Drewes	Chair: Prof.Dr. Franz-Bernd Frechen	Chair: Prof.Dr. Mark R. Wiesner
	Water Reuse with Membranes (3) Hall: Uskudar 1	Membrane Bioreactors (MBR) (3) Hall: Uskudar 2	New Membrane Materials (3) Hall: Uskudar 3
9.05-9.35	Keynote 4: Water reuse versus seawater desalination – Evaluation of the economic and environmental viability <i>S. Yüce, C. Kazner, R. Hochstrat, T. Wintgens, T. Melin (Germany, 198)</i>	Keynote 5: Improving the Performance of MBRs <i>A.G.Fane (Singapore, 368)</i>	Keynote 6: Preparation and application of patterned membranes to water treatment <i>C.H. Lee, Y.J. Won, J.W. Lee, D.C. Choi, J.H. Kim, S. Park (South Korea, 402)</i>
9.35-9.50	Desalination vs Wastewater Reuse: An Energy Analysis Illustrated by Case Studies in Los Angeles and London <i>G. K.Pearce (USA, 516)</i>	Performance improvement of full scale membrane bioreactors <i>C. Brepols, K. Drensla, A. Janot, T. Engels, N. Engelhardt (Germany, 69)</i>	Affinity membranes made from cellulose acetate for the removal of copper ions from aqueous solutions <i>M. M. Naim, M. M. Elewa (Egypt, 284)</i>
9.50-10.05	Putting Every Drop of Water to Use: The Orange County Groundwater Replenishment Project <i>D. M. Thompson (USA, 518)</i>	Enhancing separate MBR by a new intermediate sieving (IntS) strategy <i>F.-B. Frechen, W. Schier, M. Ohme (Germany, 500)</i>	Membranes and functional polymers to remove hazardous species <i>B. L. Rivas, E. Pereira, J. Sanchez, M. Palencia (Chile, 270)</i>
10.05-10.20	Optimization of wastewater reclamation and reuse system using membrane filtration and oxidation processes: Removal of pharmaceuticals <i>B. S. Oh, S. G. Oh, S. J. Kim, P. V. X. Hung, Y. J. Choi, T. M. Hwang, In S. Kim (South Korea, 211)</i>	Comparison of nitrogen removal and sludge characteristics between a conventional and a simultaneous nitrification-denitrification membrane bioreactor <i>M. Paetkau, N. Cicek (Canada, 52)</i>	Performance review of extra fouling resistant membranes in industrial applications <i>K. Majamaa, S. Rosenberg, A. Shrivastava, I. Chen (Germany, 193)</i>
10.20-10.35	Alternative Hybrid SAT-membrane treatments: Short SAT-NF treatment to upgrade effluent quality <i>H. Cikurel, S.K. Sharma, M. Jekel, C. Kazner, T. Wintgens, G. Amy, M. Ernst, Y. Guttman, N. Tal, T. Kreitzer, A. Putschew, K. Vairavamoorthy, A. Aharoni (Israel, 95)</i>	Model-aided optimization of submerged membrane bioreactors for nutrient removal in municipal wastewater treatment <i>G. Guglielmi, A. Pollice, A. Lopez (Italy, 227)</i>	Sol-Gel and inorganic membranes <i>N. Agoudjil, S. Kermadi, Z. Malek, A. Larbot (Algeria, 506)</i>
10.35-10.55	Discussion	Discussion	Discussion
10.55-11.10	Coffee Break		

Session 2.2: 11.10-12.50	Chair: Prof.Dr. Ng How Yong	Chair: Prof. Dr. Mehmet Kitis	Chair: Prof.Dr. Cumali Kinacı
	Water Reuse with Membranes (4) Hall: Uskudar 1	Membrane Bioreactors (MBR) (4) Hall: Uskudar 2	New Membrane Materials (4) Hall: Uskudar 3
11.10-11.25	Integrated MBR and RO for Water Reuse <i>J. Hadler, C. Kullmann (Germany, 21)</i>	Case study: Long term comparison between a full scale WWTP and a MBR pilot plant <i>G. Buttiglieri, A. Azzellino, H. Bouju, F. Malpei (Italy, 395)</i>	Evaluation of surface properties of reverse osmosis membranes on the initial biofouling stages under filtration condition <i>Y. Baek, C. H. Ahn, S. Kim, S. Lee, J. Yoon (South Korea, 196)</i>
11.25-11.40	Evaluation of MBR/RO systems for wastewater reuse <i>B.-Y. Kim, D.-K. Lim, J.-Y. Joo, Y.-S. Bae, C. Park (South Korea, 253)</i>	Comparison between MBR and CASP for priority pollutants removal and surface water quality protection <i>L. Cammilli, R. Gori, C. Lubello, E. Coppini, F. Malpei (Italy, 379)</i>	Compatible construction and performance of Aquaporin ^z biomimetic membrane for water purification <i>S.-J. Kim, J. Lee, H.-W. Yu, I. S. Kim (South Korea, 228)</i>
11.40-11.55	Investigation of the operation and metal removal in an MBR-RO system <i>E. Katsou, S. Malamis, K. Takopoulos, P. Demetriou, M. Loizidou (Greece, 470)</i>	MBR technology: A promising approach for the pre-treatment of hospital wastewater <i>S. Beier, C. Mauer, S. Köster, C. Cramer, H. F. Schröder, J. Pinnekamp (Germany, 233)</i>	Membrane technology for Asahi Kasei Microza and application of PVDF membrane for water treatment <i>H. Yamamura, H. Fujimura, S. Shiki, M. Hashino, N. Kubota (Japan, 486)</i>
11.55-12.10	MBR-RO process for wastewater reuse: role and impacts of activated sludge acclimation to micropollutant on MBR and RO fouling and on retentions <i>M. Jacob, C. Guigui, C. Cabassud, G. Lavison, L. Moulin (France, 217)</i>	Advanced Treatment of Urban Wastewater By Integrated Tubular Membrane With Bioreactor and Modeling <i>T. Dere, R. İleri (Turkey, 412)</i>	LD technology TM and hydrablock TM - where membrane technology is evolving <i>R. Franks, C. Bartel, A. M. Ferro, R. Boda (Turkey, 393)</i>
12.10-12.25	Large ultrafiltration system for industrial wastewater reuse in Turkey <i>B. von Harten, M. König, N. Selzer, M. Rütering (514, Germany)</i>	Application of MBR and ozonation technologies for enhancing the removal of micropollutants from municipal sewage <i>R. Reif., F. Omil, J.M. Lema (Spain, 348)</i>	
12.25-12.50	Discussion	Discussion	Discussion
13.00-14.00	Lunch		

Session 2.3: 14.00-15.30	Chair: Prof.Dr. Mathias Wessling	Chair: Prof.Dr. Nazim Cicek	Chair: Prof.Dr. Izzet Ozturk
	Membrane Based Seawater and Brackish Desalination (1) Hall: Uskudar 1	Membrane Bioreactors (MBR) (5) Hall: Uskudar 2	Industrial Wastewater Treatment and Reuse (1) Hall: Uskudar 3
14.00-14.30	Keynote 7: Backwashing with demineralized water for UF fouling control in UF-RO desalination <i>Sheng Li, S. G. J. Heijman, J. C. Van Dijk (Netherlands, 432)</i>	Keynote 8: The role of MBR technology for the improvement of environmental footprint of wastewater treatment <i>V. Lazarova, S. M. Ruel, J. L. Bonroy, P. Dauthuille (France, 467)</i>	Keynote 9: Water reuse potential of dye-wash process: in Turkey and in Germany <i>K. Güney, H. Arslan, I. Eisele, H. Özgün, R. Minke, I. Koyuncu, H. Steinmetz (Germany, 128)</i>
14.30-14.45	How to evaluate the efficiency of membrane-based pretreatments before seawater reverse osmosis (SWRO) <i>S. Laborie, C. Tansakul, C. Cabassud (France, 238)</i>	Main strategies for improvement of energy efficiency of membrane bioreactor <i>V. Lazarova, B. Barillon, S. Martin, P. Dauthuille (France, 466)</i>	Development of hybrid membrane process for treatment of textile mill effluent for production of bioler feed water <i>V. S. Sapkal, R..S. Sapkal, C. A. Wankhade (India, 490)</i>
14.45-15.00	Pilot plant test of SWRO pre-treatment using submerged MF membrane in Changwon city, Korea <i>S. P. Jeong, Y. H. Park, S. Lee (South Korea, 251)</i>	Energy optimization of large-scale membrane bioreactors – Importance of the design flux <i>L. M. Palmowski, K. Veltmann, J. Pinnekamp (Germany, 443)</i>	Investigating water reuse potential of washing processes in a textile dye house <i>K. Güney, R. Minke, H. Steinmetz (Germany, 126)</i>
15.00-15.15	Membrane Pre-treatment for Seawater Desalination: The Role of Coagulation with Illustrations from Case Study Experience <i>G. K. Pearce (USA, 515)</i>	Energy saving MBR-process for wastewater treatment <i>S. Krause, M. Lyko, B. K. Ozturk (Germany, 40)</i>	Reuse of high and low contaminated wastewater streams in textile industry by membrane technologies <i>H. Arslan, H. Ozgun, M. Cakmakci, I. Koyuncu (Turkey, 454)</i>
15.15-15.30	Discussion	Discussion	Discussion
15.30-16.00	Coffee Break-Poster Presentation		

Session 2.4: 16.00-18.00	Chair: Prof.Dr. Corinne Cabassud	Chair: Prof.Dr. Jules Van Lier	Chair: Prof. Dr. Vedat Uyak
	Membrane Based Seawater	Membrane Bioreactors	Industrial Wastewater

	and Brackish Desalination (2) Hall: Uskudar 1	(MBR) (6) Hall: Uskudar 2	Treatment and Reuse (2) Hall: Uskudar 3
16.00-16.15	EIA of several chemical species at two desalination locations in Libya <i>A. Elhassadi (Libya, 493)</i>	Greywater and Wastewater Treatment by Membrane Bioreactor <i>S. Sarioglu, A. Erdincler (Turkey, 332)</i>	Wastewater recycling in textile industry by means of membrane technology <i>T. Hackner, T. Pohlers, S. Meuler, R. Teckenberg (Germany, 480)</i>
16.15-16.30	Integrated approach of microscopic and macroscopic-scale modelings for seawater reverse osmosis (SWRO) processes <i>M. Park, Y. G. Lee, Y. S. Lee, D. H. Jung, J. H. Kim (South Korea, 281)</i>	Chitosan/BSA/CaCO ₃ mixtures used to mimic anaerobic effluent UF <i>M. Herrera-Robledo, M. Salmón, V. Castaño, A. Noyola (Mexico, 28)</i>	Water reuse in the textile industry using integrated wastewater treatment processes <i>R. Żyłła, J. Sójka-Ledakowicz, L. Kos, K. Michalska, S. Ledakowicz, J. Perkowski (Poland, 367)</i>
16.30-16.45	Performance study of reverse osmosis plants for seawater desalination in Hormozgan province, Iran <i>M. T. Ghaneian, A. R. Zirakrad, H. K. Bafrooei, A. Ghasami (Iran, 86)</i>	Performance of anaerobic membrane bioreactor for sewage sludge treatment: Mesophilic vs Thermophilic process <i>E. Meabe, L. Sancho, S. Deleris, S. Soroa (Spain, 29)</i>	Caustic recovery from denim mercerizing wastewaters using membrane technology <i>C. Varol, N. Uzal, F. B. Dilek, M. Kitis, U. Yetis (Turkey, 407)</i>
16.45-17.00	Optimization of seawater membrane demineralization. Use of municipal wastewater in varying feed water salinity <i>F. Fendri, T. Mitchenko, Z. Maletskyi (Ukraine, 337)</i>	Effect of HRT, SRT and F/M on removal of emerging pollutants present in wastewater by membrane bioreactors in aerobic conditions <i>E. B. Estrada-Arriaga, N. P. Mijaylova, S. L. Garcia (Mexico, 369)</i>	Treatment of dyeing wastewater using submerged membrane bioreactor <i>A. Konsowa, M. G. Eloffy, Y. A. Taweel (Egypt, 154)</i>
17.00-17.15	Development of Membrane Distillation System Using Hydrophobic Hollow Fiber Membranes <i>H. Kim, J. Choi, S. Lee, H. Oh (South Korea, 377)</i>	Nutrients removal from secondary treated wastewater using a membrane photobioreactor for microalgae cultivation <i>K. G. Song, H. S. Oh, K. W. Cho, K. H. Ahn (South Korea, 330)</i>	Treatment and reuse of detergent industries wastewater <i>A. R. Iranag, E. Z. Lotfi (Iran, 241)</i>
17.15-17.30	Utilization of photovoltaic technology for augmentation of water distillation <i>O. Badran, Y. El-Tous (Jordan, 510)</i>	A new biofouling control paradigm in MBR: enzymatic quorum quenching <i>H. S. Oh, S. R. Kim, C. S. Yang, H. W. Kim, C. H. Lee, K. M. Yeon, J. K. Lee (South Korea, 257)</i>	Reclamation of the effluent discharge into the ocean from an industrial park by a novel process <i>G. C. C. Yang, C. M. Lai (Taiwan, 82)</i>
17.30-18.00	Discussion	Discussion	Discussion

Time	4th Day: Thursday - October 21, 2010		
	Chair: Prof. Dr. Amy Childress	Chair: Prof. Dr. Anastasios	Chair: Prof. Dr. Halil Hasar

Session 3.1: 9.05-10.55	Karabelas		
	Membrane Based Seawater and Brackish Desalination (3) Hall: Uskudar 1	Removal of Emerging Substances (1) Hall: Uskudar 2	Industrial Wastewater Treatment and Reuse (3) Hall: Uskudar 3
9.05-9.35	Keynote 10: Direct water reclamation from domestic wastewater using a hybrid forward osmosis membrane bioreactor with nanofiltration <i>C. H. Tan, J. Y. Zhang, L. Y. Lee, W. Duan, S.L. Ong, H. Y. Ng (Singapore, 194)</i>	Keynote 11: Use of MBR for xenobiotics removal from civil and industrial wastewaters: First results from an Italian National Research Project <i>F. Conti, E. Lanciotti, F. Malpei, G. Mancini, F. Pirozzi, P. Verlicchi, R. Vismara (Italy, 350)</i>	Keynote 12: Crossflow filtration hydrocyclone for produced water treatment <i>V. Tarabara, W. Shan, M. Gaustad, R. Rieck, A. Benard, C. Petty (USA, 245)</i>
9.35-9.50	Comparison of boron rejection in forward osmosis and reverse osmosis <i>C. Kim, S. Lee, C. Boo, M. Elimelech, S. Hong (South Korea, 292)</i>	Removal of pharmaceutical compounds in an immersed membrane bioreactor system <i>E. Dialynas, C. Antoniou, E. Diamadopoulou (Greece, 31)</i>	Effect of pre-ozonation in membrane bioreactor (MBR) system during treatment of produced water <i>B. Atay, S. Erdem, B. Kose, H. Ozgun, M. E. Ersahin, M. Altinbas, S. Eliduzgun, F. Yilmaz, S. Sayili, P. Hoshan, S. D. Atay, E. Eren, C. Kinaci, I. Koyuncu (Turkey, 460)</i>
9.50-10.05	Effect of draw solution type and operational mode of forward osmosis with lab-scale membranes and a spiral wound membrane module <i>E.R. Cornelissen, D. Harmsen, E.F. Beerendonk, J.J. Qin, J. W.M. N. Kappelhof (Netherlands, 71)</i>	The removal and degradation of pharmaceutical compounds during membrane bioreactor treatment <i>H. Fr. Schröder, J. L. Tambosi, R. F. Sena, R. F.P.M. Moreira, H. J. José, J. Pinnekamp (Germany, 231)</i>	Oily Wastewater Separation By Ultrafiltration <i>S. Kertész, E. Erbas, Z. László, Z. Hovorkáné Horváth, G.Szabó, C. Hodúr (Hungary, 186)</i>
10.05-10.20	Energy and Cost Analysis of Hybrid RO/PRO Process <i>D. Y. Kim, B. R. Gu, J. H. Kim, S. H. Lee, D. R. Yang (South Korea, 181)</i>	Removal of persistent pharmaceutical micropollutants from sewage by addition of PAC in sequential membrane bioreactor <i>D. Serrano, S. Suarez, J.M. Lema, F. Omil (Spain, 50)</i>	The Effect of Centrifuging and Ultrafiltration as Preliminary treatment and performance of reverse osmosis membranes in olive oil mill wastewater (OMW) <i>T. Coskun, N. Manav Demir, E. Debik (Turkey, 313)</i>
10.20-10.35	Pressure-retarded osmosis for energy production: membrane materials and operating conditions <i>H. Kim, J.-S. Choi, S. Lee (South Korea, 373)</i>	Integrated MBR-AOP systems for pharmaceutical wastewater treatment <i>A. Pollice, G. Mascolo, A. Pinto, D. Cassano, G. Guglielmi, G. Laera, A. Lopez (Italy, 61)</i>	Use reverse osmosis membrane to reclaim petrochemical wastewater: a pilot study <i>G. Zhang, Q. Shen, Q. Shen (China, 430)</i>
10.35-10.55	Discussion	Discussion	Discussion
10.55-11.10	Coffee Break		

Session 3.2: 11.10-12.50	Chair: Prof.Dr. Jan Oleszkiewicz	Chair: Emile Cornelissen	Chair: Prof.Dr. Mohammaed Taghi Ghaneian
	Membrane Based Seawater and Brackish Desalination (4) Hall: Uskudar 1	Removal of Emerging Substances (2) Hall: Uskudar 2	Industrial Wastewater Treatment and Reuse (4) Hall: Uskudar 3
11.10-11.25	MFI and SDI - their sensitivity to a change in particle concentration and characteristics in seawater <i>S.-H. Kim, N. Prihasto (South Korea, 192)</i>	Elimination of micropollutants and viruses with ceramic-/ polymeric membrane bio reactors and activated carbon <i>C. Lorey, K.-H. Rosenwinkel (Germany, 244)</i>	Full scale leachate treatment by MBR and nanofiltration in Turkey <i>Ş. Yıldız, V. Bolahirli, (Turkey, 495)</i>
11.25-11.40	Halophyte application for beneficial concentrate disposal of inland Reverse osmosis systems <i>M. H. N. Moaddeli (Iran, 275)</i>	Microcystins Removal by Ultrafiltration Membranes Associated with Pre-oxidation with Hydrogen Peroxide, Dissolved Air Flotation and Post-chlorination <i>G.D. Sacchi, M.A.P. Reali (Brazil, 136)</i>	Treatment of pharmaceutical wastewater to the quality of process water <i>L. N. Gubanov, I. V. Katraeva, M. V. Kolpakov, Y. S. Kuzina (Russia, 464)</i>
11.40-11.55	Nitrate removal by reverse osmosis: application to groundwater treatment <i>S. Aomraoui, R. Haddad, M. Belkacem (Algeria, 206)</i>	Efficiency of RO/NF membranes at removal of veterinary antibiotics <i>D. Dolar, A. Vukovic, D. Ašperger, K. Košutić, D. M.Pavlović, (Croatia, 225)</i>	Membrane filtration and sonication for industrial wastewater reuse <i>C. Caretti, E. Coppini, E. Fatarella, C. Lubello (Italy, 223)</i>
11.55-12.10	Reverse osmosis/nanofiltration parallel coupling with recirculation for brackish water desalination <i>A. Mnif, M. Ben Sik Ali, B. Hamrouni (Tunisia, 398)</i>	Development of membrane Technology for antibiotics removal from synthetic pharmaceutical wastewater <i>M. Gholami, R. Mirzaye, R. Rezaye Kalantary, A. Sabzali, A. Esrafilı (Iran, 90)</i>	Ultrafiltration Applied To Water Containing Heavy Metals <i>S. Condom, S. Chemlal, M. Persin (France, 160)</i>
12.10-12.25	Ceramic Membranes in Removing Boron from Processed Geothermal Waters <i>B.I. Harman, H. Koseoglu, N.O. Yigit, N. Kabay, M. Kitis (Turkey, 73)</i>	Degradation of antineoplastic compounds using an integrated membrane/Electro-oxidation Process <i>P. I. C. Oliveira, S. Velizarov, J. G. Crespo, C. A. M. Portugal (Portugal, 334)</i>	Ultrafiltration and physical-chemical systems as a pre-treatment for an UV-H ₂ O ₂ process to treat an industrial effluent with high organic load <i>J. C. Mierzwa, E. L. Subtil, I. Hespanhol (Brazil, 277)</i>
12.25-12.50	Discussion	Discussion	Discussion
13.00-14.00	Lunch		

Session 3.3: 14.00-16.10	Chair: Prof.Dr. Gideon Oron	Chair: Prof. Dr. Francesca Malpei	Chair: Prof.Dr. Abdulmonem Elhassadi
	Membrane Fouling and Control for Reuse Hall: Uskudar 1	Removal of Emerging Substances (3) - Energy Production Hall: Uskudar 2	Hybrid Membrane Processes Hall: Uskudar 3
14.00-14.30	Keynote 13: Membrane fouling reduction in an electrically enhanced membrane bioreactor <i>V. Wei, J.A. Oleszkiewicz, M. Elektorowicz (Canada, 290)</i>	Keynote 14: Prospects for reliable predictions of RO/NF membrane colloidal fouling through UF tests <i>A. Karabelas, D.C.Sioutopoulos, S. G. Yiantsios (Greece, 408)</i>	Keynote 15: A Low permeate flux: Intrinsic constraint of anaerobic membrane bioreactors for wastewater treatment? <i>Jules van Lier, David. Jeison (Netherlands, 508)</i>
14.30-14.45	Optimisation of MF membrane cleaning protocol in an indirect potable reuse (IPR) scheme <i>M. Raffin, E. Germain, S. Judd (United Kingdom, 66)</i>	Investigation and development of special hybrid sorbents for application in membrane technologies of arsenic extraction from water <i>N. Makarova, T. Mitchenko, H. Shevchuk, Z. Maletskyi (Ukraine, 43)</i>	Enhancing the conventional and ecotoxicological efficiency of the partial ozonation process for the degradation of wastewater concentrate <i>W. D. Schepper, J. Dries, L. Geuens, R. Blust (Belgium, 64)</i>
14.45-15.00	Novel cleaning and fouling control in forward osmosis membranes for wastewater reuse <i>Y. Yu, S. Seo, S. Lee (South Korea, 358)</i>	Metal Oxide Enhanced Microfiltration for the Removal of Sr and Co from Nuclear Wastewater <i>N. A. Weerasekara, K. Choo, Y. Kim, S. Choi, W. Shin (South Korea, 409)</i>	Submerged NF membrane with MIEX pretreatment for sustainable advanced water treatment <i>J. Kaewsuk, G. T. Seo, T. S. Lee (South Korea, 177)</i>
15.00-15.15	Influence of microbial products on membrane fouling mechanism using submerged membrane bioreactor <i>N. Dizge, A. Karagunduz, D. Y. Imer, B. Keskinler (Turkey, 355)</i>	Production of bioelectricity from synthetic waste water with a Nafion 117 <i>M. Rahimnejad, G. D. Najafpour, A. A. Ghoreyshi, T. Jafarg, F. Haghparast, H. Zareh (Iran, 322)</i>	Ceramic microfiltration with a sub-micron powdered activated carbon pre-coat for water treatment <i>S. G. J. Heijman, B. Hofs, E. R.Cornelissen, J. Z. Hamad, M. Kennedy, G. Amy (Netherlands, 366)</i>
15.15-15.30	The effect of sodium sulfate on the fouling in a submerged membrane bioreactor (MBR) for treating petrochemical wastewater <i>F. Sadeghi, M. R. Mehrnia, R. Nabizadeh, A. K. Garakani, M. Askarian, M. H. Sarrafzadeh (Iran, 303)</i>	Membrane Selection for Microbial Fuel Cell <i>B. Akoglu, G. Acı, E. Taskan, D. Karadag, B. Ozkaya, H. Hasar (Turkey, 509)</i>	Effect of two different kinds of photocatalysts (TiO ₂) on decomposition and ultrafiltration of humic acid <i>J. N. Riungu, M. Hesampour, A. Pihlajamaki, M. Manttari, P. G. Home, G. M. Ndegwa (Kenya, 433)</i>
15.30-15.45	A Profound Study on Membrane Fouling <i>M.M. Naim and M.M. Elewa (Egypt, 288)</i>	Utilization of membrane filtration for harvesting and concentration of cultivated microalgae <i>R. Gori, G. Munz, C. Lubello, D. Daddi, N. Biondi, M. Tredici (Italy, 165)</i>	Submerged membrane-adsorption hybrid system for natural organic matter (NOM) removal from Buyukcekmece Lake water <i>M. Akdağlı, M. Çakmakçı, V. Uyak, I. Koyuncu (Turkey, 423)</i>

15.45-16.10	Discussion	Discussion	Discussion
16.10-16.30	Coffee Break		
16.30-17.00	Closing Ceremony (Hall: Uskudar 2)		
19.00-	Conference Dinner		

Time	5 th Day: October 22, 2010 – Friday
07.45-18.00	Technical Tours

POSTERS

No	Poster Information
16	Gurel, L., Buyukgungor, H., (Turkey) <i>Implementation of membrane bioreactor treatment process on slaughter-house wastewater</i>
17	Torabian, A., Abtahi, S. M., Amin, M. M., (Iran) <i>Treatment of low-strength industrial wastewater using an anaerobic baffled reactor (ABR)</i>
33	Zahrim, A. Y., Hilal, N., (United Kingdom) <i>Pre-treatment of C.I. Acid Black 210 Dye: Selection of polymers as flocculant aids and rapid sand filtration study</i>
51	Gonder, Z. B., Arayıcı, S., Barlas, H., (Turkey) <i>Pulp and paper mill wastewater treatment by ultrafiltration: determination of optimum filtration conditions using Taguchi Method</i>
62	Olivier, L., Isabelle, D., Michel, J., (France) <i>How to reduce both capital and operating costs in drinking water production, by using innovative design improvements on UF membrane modules</i>
78	Yueqi, Z., Liang, W., Hongwei, Z., Zhaohui, Z., (China) <i>Study on membrane fouling control by nanosized TiO₂ modified ultra-filtration membrane catalyzed ozonation</i>
80	Mirsaeedghazi, H., Emam-Djomeh, Z., Mousavi, S. M., Aroujalian, A., Navidbakhsh, M., (Iran) <i>Permeate flux behavior in microfiltration of pomegranate juice (Punica Granatum): Effect of the membrane and flow properties</i>
81	Mirsaeedghazi, H., Emam, Z8., Mousavi, (S., Iran) <i>Effect of processing parameters on fouling potential of membranes during the membrane processing of pomegranate juice</i>
83	Hosein Abadi, S. R., Reza Sebzari, M., Mohammadi, T., (Iran) <i>Treatment of oily wastewater by microfiltration equipped backwash process</i>
91	Hun Choi, Y., Kweon, J. H., (South Korea) <i>Influences of feed water characteristics and operating parameters on aluminum fouling in nanofiltration</i>

94	Gheshlaghi, A., (Iran) <i>Wastewater treatment in refineries by membrane methods</i>
98	Ho, K. W.,(Malaysia) <i>Fouling mechanism during ultrafiltration of naturally-occurring proteins – skim latex serum</i>
99	Yang, N., Wen, X., Waite, T. D., Wang, X., Huang, X., (China) <i>The role of calcium during the microfiltration of humic acid</i>
100	Rahimnejad, M., Najafpour, G. D., Ghoreyshi, A. A., Jafarg, T., Haghparast, F., Zareh, H., (Iran) <i>Bioelectricity generation in MFC using synthetic waste water</i>
102	Liang, H.,(China) <i>Application of UF/RO system for concentration in toxicity test</i>
107	Vatani, Z., Ghoreyshi, A. A., (Iran) <i>Evaluation of resistances in series model application in separation of vocs from gaseous mixture using vapor permeation process</i>
109	Ghaneian, M. T., Zirakrad, A. R., Mohammadipoor, A. K., Ghasami, A., (Iran) <i>Reverse osmosis plant operation for drinking water supply from brackish water in Fin City, Iran</i>
110	Ghaneian, M. T., Haghparst, H., Nezakati, R., Dehghan, N., (Iran) <i>application of reverse osmosis plant for industrial water supply from brackish water in Yazd Combined Cycle Power Plant, Iran</i>
111	Alhajji, M., (Saudi Arabia) <i>Application of water pinch analysis approach to conserve underground water in Saudi Aramco Industrial Facilities</i>
112	Tony, M. A., (Egypt) <i>Characterization and assessment of car washes water treatment technologies for reuse</i>
123	Maazouza, K., Belmedani, M., Sadaoui, Z., (Algeria) <i>Modeling of the mass transfer in micellar enhanced ultrafiltration</i>
138	Bolverdi, A., Pourafshari, M., Sadeghi, M., (Iran) <i>Gas permeation properties Of Ca-Silica mixed matrix membranes</i>
140	Alrobaei, H., (Iraq) <i>Repowering and modification of thermal vapor compression multi effect distillation plants</i>
144	Karakoç, E., Demircan, N., Alakavuk, Z., (Turkey) <i>Economic analysis of the domestic waste waters</i>
147	Taleghani, A., Ebadi, T., Rezazadeh, Y., (Iran) <i>Mercury removal from industrial waste water using zero valent iron nano particle</i>
153	Abdessemed, D., Kiamouche, S., Nezzal, G.,(Algeria) <i>Study the performances of the Membrane Bioreactor</i>
163	Darvishi, P., Mowla, D., Ayatollahi, S., Niazi, A., (Iran) <i>Biodegradation of heavy crude oil in waste water by an efficient strain, ERCPP1-1</i>
171	Kwon, S., Kim Y. S., Moon, Y. T., Kim, D. I., (South Korea) <i>Evaluating the system for discharge water restoration using MF/UF membrane in a water treatment plant</i>

172	Kwon, S. B., Kim, C. W., Yang, H. J., Kim, D. I., (South Korea) <i>Development of DAF and Submerged MF membrane hybrid system</i>
173	Sukeksi, L., Hassan, C., Sulaima, N., Aroua, M. K., (Malaysia) <i>Pre-treatment optimization of recovery of polyphenols from pink guava fruit processing wastes by membrane technology</i>
174	Sukeksi, L., Hassan, C., Sulaima, N., Aroua, M. K., (Malaysia) <i>Ultrafiltration of recovery polyphenols from pink guava processing wastes</i>
176	Lin, S., Chien, R., Chen, S., Chien, R., (Taiwan) <i>Separation of Co (II) and Ni(II) using chloride solutions with D2EHPA using hollow fibers</i>
182	Gu, B., Kim, D. Y., Kim, J. H., Lee, S., Yang, D. R., (South Korea) <i>Modelling and simulation of flat sheet membrane modules for forward osmosis process</i>
191	Sanayei, Y., Ismail, N., Tow Teng, T., Morad, N., (Malaysia) <i>A new biological treatment of dye wastewaters in SBR systems</i>
197	Xiao, K., Huang, X., (China) <i>Effect of membrane-foulant affinity on fouling evolution</i>
201	Song, J., Joo, J., Bea, Y., Park, C., (South Korea) <i>The application of pressurized membrane system for reuse of effluent</i>
202	Kaya, Y., Barlas, H., Arayıcı, S., (Turkey) <i>Interaction behaviour in nanofiltration of single/mixed anionic and nonionic surfactants over Critical Micelle Concentration (CMC)</i>
203	Boroujeni, M. K., Goodarzi, F., (Iran) <i>Mathematical investigation of hydrocarbon gas stream membrane separation performance</i>
204	Delgado, S., Villarroel, R., González, E., Morales, M., (Spain) <i>Optimization of TMP Set-point for the initiation of physical cleaning on membrane fouling control</i>
205	Oliveira, R., Naval, L., Cossich, E. S., Granhen, C. R. T., (Brazil) <i>Assessment of opportunities for the use of biosolids resulting from biodigestion</i>
207	Oliveira, R., Naval, L., Cossich, E. S., Granhen, C. R. T., (Brazil) <i>Integrated system for treatment of waste generated in swine culture</i>
212	Oh B., Kim S., Yu H., Hwang M., Kim I. S., (South Korea) <i>Effect of hydraulic pressure on Bio-Film formation in forward and reverse osmosis processes</i>
213	Celik, E., Choi, H., (South Korea) <i>Protein adsorption onto CNT/PES blend membranes</i>
214	Xue, W., Wu, C., Huang, X., (China) <i>Behavior of selected endocrine disrupting chemicals and pharmaceuticals and personal care products in an anaerobic/anoxic/aerobic-membrane bioreactor plant in Beijing, China</i>
215	Park, H., Kim, Y., Choi, H., (South Korea) <i>Reactive ceramic membrane process combined with ozonation: characterization of treated Natural Organic Matter (NOM)</i>

216	Andleeb, S.,(Pakistan) <i>An investigation of anthraquinone dye biodegradation by aspergillus flavus SA2 in self designed fluidized bed bioreactor</i>
220	Uzal, N., Yılmaz, L., Yetiş, U., (Turkey) <i>Reuse of rinsing waters of indigo dyeing using membrane technology: evaluation of chemical precipitation, MF and MF/UF as pretreatment</i>
224	Schier, W., Frechen, F. B., Drensla, K., Janot, A., Engelhardt, N., Exler, H., Ohme, M., (Germany) <i>MBR Process: Mechanical Pre-Treatment - Sieves And More...</i>
232	Köse, T. E., (Turkey) <i>Phosphate removal from aqueous solution by Lewatit Monoplus M600</i>
236	Oparin, E. A., Sabbatovskiy, K. G., Sobolev, V. D., (Russia) <i>The model for salts diffusion coefficients determination in mass transfer process through nanofiltration membrane</i>
250	Slesarenko, V., (Russia) <i>Investigation of processes in membrane apparatus under the magnetic field influence</i>
252	Feng, L., Feng, L. J., Wang, L. P., Zhang, L. Q., (China) <i>A model of submerged membrane bioreactor removing organic substrate and its applications</i>
254	Mowla, D., Samavati, N., (Iran) <i>Effect of TDS on critical flux in treatment of high saline oily water by Air-lift Side-Stream Membrane Bioreactor (ASMBR) system</i>
265	Lee, J., Kim, J., Han, S., Chang, I., Lee, C., Joung, S., (South Korea) <i>Pulsed High-Voltage Discharge Plasma Technology for control of membrane fouling in membrane bioreactor</i>
266	Han S., Chang I, Joung S., Lee C., (South Korea) <i>Comparison of removals of ion between reverse-osmosis, nano-filtration, electro-adsorption electro-coagulation in small water treatment plants</i>
269	Shen Y., Xiao K., Huang X., (China) <i>A deeper characterization of soluble microbial products related with membrane fouling on the basis of molecular size distribution</i>
291	Guimaraes A., Jimenez B., (Mexico) <i>Comparison on the removal of emerging pollutants in Mexico City wastewater using flocculation, aerobic biodegradation and membrane filtration</i>
300	Sadoughi S. G., Shafiei S., (Iran) <i>Coupled genetic algorithm-LP method for multiple contaminant water reuse network synthesis</i>
301	Imer D. Y., Karagunduz A., Dizge N., Keskinler B., (Turkey) <i>Investigation of fouling of submerged membranes in jet loop membrane bioreactor (JLMBR)</i>
306	Hosseinzadeh M., Mehrnia M. R., Mostofi N., Khalili Garakani A., (Iran) <i>New approach to modeling of biofouling in a submerged membrane bioreactor</i>

307	H. Helis, O. Souilah' D. E. Akretche, (Algeria) <i>Metals removal by combination of ultrafiltration with ion exchange materials</i>
309	Heli1B., Amoabediny Gh., shariaty-Niassar M., Vahabzadeh S., (Iran) <i>CuFe₂O₄ electrospun nanofibers application for removal of Ni²⁺ in aqueous solution</i>
310	Amiri S., Mehrnia M. R., Sarrafzadeh M. H., Barzegari D., (Iran) <i>Effect of manganese on the membrane biofouling in a membrane bioreactor</i>
311	Eisazadeh H., Lashkenari M. S., Davodi B., (Iran) <i>Investigation the effect of detention time on the removal of arsenic from aqueous solution by using polyaniline nanocomposite</i>
323	Rahimzadeh M., Mehrnia M. R., Rahmati M. M. M., Moosavi A. R., Shariati F. P., (Iran) <i>Respirometric activity of biomass in a small-scale membrane bioreactor for refinery wastewater treatment</i>
325	Moosavi A. R., Mehrnia M. R., Rahimzadeh M., Shariati F. P., Nabizadeh R., Fayooorehchi H., Azami H., Sarrafzadeh M. H., (Iran) <i>Treatment of refinery waste water using a submerged membrane bio reactor</i>
331	Buchta P., Winkler R., (Germany) <i>Optimization of operational parameters of the in-out ultrafiltration of tertiary waste water applying different capillary diameters</i>
340	Zare N., Torabian A., Farajollahi S., Janghorban M., (Iran) <i>Effect of adding ions in the efficiency of phenol sulfonic acid elimination from tin-plating industry wastewater by nanofiltration</i>
341	İlhan F., Kabuk H.A., Gonullu M.T, (Turkey) <i>Investigation on treatment of leachate by nanofiltration</i>
347	Kamel -Haddine B., (Algeria) <i>Electrodialysis of nickel electroplating rinsing waters: Ion exchange membrane scaling by nickel species (hydroxides, oxides and metal)</i>
353	Ilhan F., Kabuk H.A, Manav N., Coskun T., (Turkey) <i>Treatment of Bilge water, which treated with electrocoagulation before, by nanofiltration</i>
354	Kamel-Haddine B., Kafia O., Salah B., (Algeria) <i>The chemical investigating Methods of concentration polarization in electrodialysis (Plateau Length And Over limiting Current Iov)</i>
357	Emamifar S. M. E., Dehaghi M. A., Ashtari P., (Iran) <i>Reclamation of industrial waste water by fish culture in Pond</i>
359	Kamel -Haddine B., Chehrazade A., (Algeria) <i>Electroplating sludge lixiviation : Recovery of acids , bases and metals by diffusion dialysis</i>
362	Aliabadi M., Raisi A., Aroujalian A., (Iran) <i>Removal of styrene from aqueous solution by pervaporation</i>
363	Hannachi C., Chouchene W., Hamrouni B., (Tunisia) <i>Study of the ion-exchange equilibrium of chloride, nitrate and sulphate ions on the anionic exchange membrane AMX</i>
364	Zhanga X., Hua Q., Sommerfelda M., Chenb Y., (United States) <i>Algal Harvesting for biofuels using an integrated dissolved air flotation and membrane filtration technology</i>

374	Choi J., Jo J., Lee S., Oh H., (South Korea) <i>Removal of natural organic matters (NOM) and taste and odor (T&O) using membrane hybrid process: a pilot study</i>
381	Azari L., Hadawy A., Tayyari B., Khavandi R, (Iran) <i>Effective parameters of treatment of a mixed wastewater from different petrochemical plant</i>
386	Choi Y., Oh H., Lee S., Hwang T., (South Korea) <i>Application of ultrasonic device to reduce Internal concentration polarization of forward osmosis system</i>
387	Ghandehari S., Mousavi H., Asghari M., Rahmati M. M., (Iran) <i>Application of factorial design to microfiltration performance, separation of insulin aqueous solution</i>
392	Bouguerra W., Hamrouni B., (Tunisia) <i>Equilibrium studies of adsorption of silica and boron processes of wastewater treatment</i>
399	Choi Y., Oh H., Lee S., Hwang T., (South Korea) <i>A MATLAB-GUI program for simulation of the forward osmosis (FO) systems</i>
404	Ghasemipanah K., (Iran) <i>Choosing membrane processes for treatment of wastewater</i>
405	Hwang T., Choi Y., Nam S., Lee S., Oh H, Kim J., (South Korea) <i>Theoretical considerations for the optimization of SWRO process by simplified process model</i>
415	Elabbar M., (Libya) <i>Environmental impact assessment of marine pollution on power & desalination running unites efficiency--Libyan experimental</i>
416	Salem Z., Toumi L., Allia K., (Algeria) <i>Hospital wastewaters management</i>
418	Zibuschka F., Pressl A., Lindner G., Sommer R., Schurhagl R., (Austria) <i>Hygienic aspects of the effluent of small membrane bioreactors in rural areas</i>
421	Laoufi N., Bentehar F., (Algeria) <i>Isoproturon photodegradation in water suspension of tio2 photocatalyst</i>
425	Addoun F. Bouchemal N., Belhachemi M., (Algeria) <i>Porous texture development of activated date pits for water treatment</i>
428	Chaabane T., Taleb A., Darchen A. , Maachi R. , (Algeria) <i>Nernst-planck equation and film theory combination for predicting the retention of chromium salts in nanofiltration process</i>
436	Golmarvi D., (Iran) <i>A survey on water transport system by the usage of carbon nanotube membranes</i>
437	Golmarvi D., (Iran) <i>Ultrafiltration membrane for irrigation wastewater treatment and efficient removal of pathogens</i>
438	Komesli O. T., Gokcay C. F.,(Turkey) <i>Treatment and reuse of domestic wastewater by mbr (membrane bioreactor): The energy consumption of the MBR</i>
439	Muz M., Sonmez M. S., Komesli O. T, Gokcay C. F., (Turkey) <i>Minimizing MBR sludges by pulse ozonation</i>
445	Svittsov A.A., Khubetsov S.A., Volchek K., (Canada)

	<i>Mobile treatment of liquid wastes of radiological decontamination operations</i>
446	Kochkodan V., Shkavro Z., Kochkodan O., (Ukraine) <i>Effect of the surface modification of polymer membranes on their fouling with proteins</i>
447	Krasnova T.A., Youstratov V.P., (Russia) <i>Electromembrane treatment of organic-mineral wastewater from caprolactam production</i>
450	Guclu S., Koyuncu I., (Turkey) <i>Hand powered membrane filtration (HPMF®)</i>
451	Arikan O. A., Koyuncu I., Wiesner M., (Turkey) <i>Effects of pH and feed concentration on hormone and antibiotic removal by nanofiltration membranes</i>
452	Ozkal B., Cakmakci M., Uyak V., Koyuncu I., (Turkey) <i>Effect of iron- oxide (iii) nano- particles(Fe-NP) on submerged microfiltration membrane system during treatment of natural raw water</i>
453	Koyuncu I., Yildiz S., Bolahirli V., Kayaalp N., (Turkey) <i>Comparative evaluation of full scale MBR plants treating landfill leachate by SMP and EPS measurements</i>
459	Erdem S., Ozgun H., Ersahin M. E., Atay B., Köse B., Eliduzgun S., Yılmaz F., Altinbas M., Sayili S., Hoshan P., Atay D., Eren E., Kinaci C., Koyuncu I., (Turkey) <i>Treatment of produced water generated from gas production fields by micro filtration and nanofiltration/reverse osmosis membranes</i>
461	Angalakis A., (Greece) <i>Water recycling and reuse could increase water availability in EU-countries</i>
468	Kaykioglu G., Coban A., Kayacan B. B., Debik E., Koyuncu İ., (Turkey) <i>Cost analysis of membrane treatment after anaerobic and aerobic pre-treatment of textile effluents</i>
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471	Malamis S., Andreadakis A, Mamais D., (Greece) <i>Comparison of the performance of different additives for fouling mitigation in membrane bioreactor systems</i>
474	You S. J., Damodar R. A., Ou S.H., (Taiwan) <i>Preparation of TiO₂ entrapped and coated PVDF membrane</i>
477	You S. J., Damodar R. A., Ou S.H., (Taiwan) <i>Treatment of textile wastewater using an anaerobic MBR</i>
478	Angelakis A., (Greece) <i>Evolution of urban sewerage and drainage systems</i>
481	Gangasalam A.,(India) <i>Separation of proteins and metal ions from aqueous solutions by polymer-enhanced ultrafiltration</i>
482	Deniz S., Kutsal D., Okumus E., (Turkey) <i>Poly(etherimide)/Poly(ethyleneglycol) Nanocomposite Membranes Based On Surface-Treated Silica For CO₂/CH₄ Separation</i>

483	Deniz S., Kutsal D., Okumus E., (Turkey) <i>Poly(phenylsulfone)/Poly(ethylene glycol) nanocomposite membranes based on surface-treated silica for CO₂/CH₄ separation</i>
487	Tireche S., Tairi A., (Algeria) <i>Eco design as new culture industry</i>
492	Karabacak A., Dilek F. B., Yilmaz L., Kitis M., Yetis U., (Turkey) <i>Sulphate removal by nanofiltration from surface waters</i>
494	Elhassadi A.,(Libya) <i>ESE interactions to develop future desalination processes in Libya</i>
496	Szep A., Kertesz S., Laszlo Z., Szabo G, (Hungary) <i>Application of combined ozonation and filtration on the meat industry wastewater</i>
501	Frechen F.B., Romaker J., Exler H., (Germany) <i>After Haiti: a gravity-driven dead end membrane filtration unit for drinking water supply in cases of disasters</i>
504	Bousaha M., Taoualit N., Hadj-Boussaad D.E., (Algeria) <i>Metal recovery from effluents using liquid-membrane gel extraction</i>
511	Yasmine A., Malika C., Abdeltif A., Aicha B., (Algeria) <i>Sorption of hexavalent chromium metal onto amberlite IRA 410 –equilibrium isotherms and kinetic studies</i>
512	Goncu S., Yigit Z., (Turkey) <i>Water quality monitoring by using passive diffusion</i>
513	Fouladi H., Vossoughi M., Borghei M., Hesampour M., Geramiraz F., (Iran) <i>Treatment of synthetic herbicides wastewater in a membrane bioreactor (MBR)</i>