

248 A scenario for improving seawater reverse osmosis desalination performances in power plants A. Rehouma, A. Hannachi (Tunisia).....	185
249 Assessment of the removal of inorganic effluents by using a low cost natural Algerian bentonite clay. Application in wastewater treatment F. Mohammed-Azizi, S. Athman, M. Boufattit (Algeria)	186
250 Novel feed spacer technology – from CFD calculations to an enhanced RO element performance C. Schellenberg, J. Ogier, S. Lehmann (Germany), J. Kidwell (USA)	187
251 Measuring bacterial adenosine triphosphate (ATP) in seawater: method development and biofouling monitoring for seawater reverse osmosis A. Abushaban, L.O. Villacorte (The Netherlands), S. Boettger (Germany), E. Prest, S.G. Salinas-Rodriguez (The Netherlands), A. Nescerecka (Switzerland), A. Magic-Knezev (The Netherlands), J.S. Vrouwenvelder (Saudi Arabia and the Netherlands), F. Hammes (Switzerland), J.C. Schippers, M.D. Kennedy (The Netherlands).....	188
252 Biofouling potential of algal blooms in seawater reverse osmosis L.O. Villacorte, H.N. Calix Ponce, Y. Ekowati (The Netherlands), H. Vrouwenvelder, G. Amy (The Netherlands and Saudi Arabia), J.C. Schippers, M.D. Kennedy (The Netherlands)	189
253 Dairy wastewater utilization: separation of whey proteins in membrane and chromatographic processes M. Lech, A. Niesobska, A. Trusek-Holownia (Poland)	192
254 Fouling (biofilm) under control in membrane bioreactors — a review L. Janczewski, A. Trusek-Holownia, A. Noworyta (Poland).....	192
255 Development and application of a quick flat cell test to quantify biofouling resistance of DOW FILMTEC™ BW30XFR membrane G. Massons-Gassol, G. Gilabert-Oriol, T. Arrowood, R. Garcia-Valls (Spain).....	193
257 How to upgrade the solar humidification-dehumidification desalination process M. Capocelli, A. Milioni, D. Barba (Italy)	193
260 A continuous plug flow reactor for magnesium recovery from concentrated brine M. Bevacqua, A. Brucato, G. Cerniglia, A. Cipollina (Italy), C. Gatz, H. Glade (Germany), G. Micale, A. Tamburini (Italy)	194
261 Performance of a RED system with ammonium hydrogen carbonate solutions M. Bevacqua, A. Carubia, A. Cipollina, A. Tamburini, M. Tedesco, G. Micale (Italy)	195
262 Lab-scale investigation of a pressure retarded osmosis module fed by “non-conventional” salinity gradients A. Cipollina, F. Giacalone, F. Grisafi, G. Micale, A. Tamburini, G. Vella (Italy).....	195
263 Modelling the transient behaviour of a MED-TVC plant for coupling with CSP A. Cipollina, M. Agnello, A. Piacentino, A. Tamburini, G. Micale (Italy).....	196
264 Pressure drop in woven-spacer-filled channels for reverse electrodialysis: ~ CFD prediction and experimental validation L. Gurreri, A. Tamburini, A. Cipollina, G. Micale, M. Ciofalo (Italy)	197
265 Operation and perspectives of the first reverse electrodialysis pilot plant fed with brackish water and brines M. Tedesco, D. Vaccari, A. Cipollina, A. Tamburini, G. Micale (Italy)	198
266 Safe Water K. Nadiradze, N. Phirosmanashvili, M. Goginashvili (Georgia)	199
267 Prediction of hydrogen sulfide formation in Moroccan sewage system A. El Brahmi, S. Abderraifi (Morocco).....	199
268 Monitoring denitrification by means of pH and ORP in continuous-flow conventional activated sludge processes L. Luccarini, D. Pulcini (Italy), D. Sottara (USA), R. Di Cosmo, R. Canziani (Italy)	200

CONTENTS**EuroMed 2015****Desalination for Clean Water and Energy
10–14 May 2015, Palermo, Italy**

271 CFD simulations of spacer-filled channels for pressure retarded osmosis applications A.Tamburini, R.Cattarinich, A.Cipollina, G.Vella, G.Micale, E.Napoli (Italy).....	202
272 The role of extracellular polymeric substances (EPS) on aerobic granules formation: comparison between a case of synthetic wastewater supply and another of industrial wastewater S.F.Corsino, M.Torregrossa, G.Viviani (Italy).....	203
273 Calibration and analysis of a direct contact membrane distillation model using the GLUE method I.Hitsov, L.Eykens, K.De Sitter, C.Dotremont, I.Nopens (Belgium).....	205
274 Optimising a novel SBR configuration for enhanced biological phosphorus removal linked to P-recovery J.A.Baeza, J.Guerrero, A.Guisasola (Spain).....	206
275 Comparison between two MBR pilot plants treating synthetic shipboard slops: effect of salinity increase on biological performance, biomass activity and fouling tendency A.Cosenza, D.Di Trapani, G.Mannina, M.Torregrossa, G.Viviani (Italy).....	209
276 Wasted activated sludge dewaterability: a comparative evaluation of sludge derived from CAS and MBR systems M.Capodici, G.Mannina, M.Torregrossa (Italy).....	211
277 Sequential batch membrane bioreactor treating saline wastewater G.Mannina, M.Capodici, A.Cosenza, D.Di Trapani, G.Viviani (Italy).....	213
278 Greenhouse gases from membrane bioreactors: a pilot plant case study G.Mannina, C.Morici, A.Cosenza, D.Di Trapani (Italy), H.Ødegaard (Norway)	216
279 OSMO SISTEMI's activity in the Mediterranean region K.Evangelos (Italy).....	218
280 The fate of PhACs and their transformation products in integrated membrane systems for wastewater reclamation J.Mamo, M.J.García Galán, S.Rodríguez-Mozaz, H.Monclús, I.Rodríguez-Roda, J.Comas (Spain).....	219
281 Experimental results of full-scale aeration systems monitoring C.Caretti, G.Bellandi, C.Lubello, R.Gori (Italy)	222
282 Greenhouse gases from wastewater treatment plant: towards a new protocol for field measurements R.Gori, G.Bellandi, C.Caretti, S.Dugheri, A.Cosenza, V.A.Laudicina, C.Morici, G.Esposito, L.Pontoni, D.Caniani, M.Cavano (Italy), D.Rosso (USA), G.Mannina (Italy)	224
283 Improving seawater reverse osmosis (SWRO) pretreatment to reduce biofouling potential during algal blooms N.Dhakal, J.Ampah, L.O.Villacorte, S.G.Salinas Rodriguez, S.Chauveau, F.Knops, J.C.Schippers, M.D.Kennedy (The Netherlands).....	227
284 A nanofiltration membrane for the removal of color from surface water to meet Norwegian standards C.Vergel (Norway), R.N.Franks, C.Bartels (USA), M.Neculau (Spain)	228
285 Air gap membrane distillation: study of modeling and simulation M.Boukhriss (Tunisia), H.Ben Bacha (Saudi Arabia), K.Zarzoum, K.Zhani (Tunisia)	229
286 Denitrification under low COD/N ratio operation: Modeling biological pathway, limiting factors and experimental approach A.Lahdhiri (Tunisia and France), G.Lesage (France), A.Hannachi (Tunisia), M.Heran (France)	229
287 Performance evaluation of a novel eductor-based MBR for the treatment of domestic wastewater S.Mitra, N.Daltrophe, J.Gilron (Israel).....	230
288 Stability and dewaterability of CAS and MBR sludge L.Pontoni, G.D'Alessandro, G.d'Antonio, G.Esposito, M.Fabbricino, L.Frunzo, F.Pirozzi (Italy).....	231