

T.8 WATER IN THE INDUSTRY

POSTER SESSION T8

Chairman

M^a Concepción Monte (Complutense University of Madrid) (ES)

Poster

T8-023	<p>“ALKALINE PRECIPITATION AND FLOCCULATION OF CHROMIUM COMPLEXES” Tijero, A., Moral, A., Torres, E., Tijero, J. Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-024	<p>“INFLUENCE OF THE SEASON AND THE COOLING WATER VELOCITY ON THE FOULING GROWTH” Rubio-Mihi, D.¹, López-Galindo, C.¹, Nebot, E.¹, Casanueva, J.F.² ¹Department of Environmental Technologies (University of Cádiz) (ES); ²Department of Thermal Engines (University of Cádiz) (ES)</p>
T8-025	<p>“EFFECT OF THREE ANTIFOULING TREATMENTS ON THE EFFICACY OF A SEAWATER COOLING SYSTEMS” López-Galindo, C.¹, Rubio-Mihi, D.¹, Casanueva, J.F.², Nebot, E.¹ ¹Department of Environmental Technologies (University of Cádiz) (ES); ²Department of Thermal Engines (University of Cádiz) (ES)</p>
T8-026	<p>“OPTIMIZATION OF ACTIVATED SLUDGE FLOCCULATION” Fuente, E., Ordoñez, R., Hermosilla, D., Martín, R., Blanco, A. Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-027	<p>“CAVITATION-TANGENTIAL FILTRATION-CENTRIFUGE SYSTEM (FCCT) FOR WASTEWATER TREATMENT” Nuñez, L.A.¹, Gil, F.J.², García, C.² ¹Chemical Engineering Unit (University of Burgos) (ES); ² Vektor Energía y Medioambiente S.L. (ES)</p>
T8-028	<p>“BIODEGRADABILITY OF EFFLUENT FROM ADVANCED TREATMENT OF LANDFILL LEACHATE” Poblete, R., Rosa, A., Otal, E., Vilches, L.F., Vale, J., Fernández-Pereira, C. Chemical and Environmental Engineering Department (University of Sevilla) (ES)</p>
T8-029	<p>“THE RO PROCESS FOR THE TREATMENT AND REUSE OF EDTA-CU WASTEWATER” Chen, K.Y. , Yu, C.H. Department Chemical and Materials Engineering. Green Technology Research Center (Chang-Gung University) (TW)</p>

T8-030	<p>“A RELIABLE PROCESS FOR PESTICIDE DEGRADATION: PHOTO-FENTON AND MEMBRANE BIOREACTOR COMBINATION”</p> <p>Ballesteros Martín, M.M.¹, Garrido, L.², Ortega Gómez, E.¹, Cabrera Reina, A.¹, Sánchez, O.², Más, J.², Maldonado, M.I.³</p> <p>¹Department of Chemical Engineering (University of Almería) (ES); ²Department of Genetic and Microbiology (Autonomous University of Barcelona) (ES); ³Plataforma Solar de Almería-CIEMAT (ES)</p>
T8-031	<p>“PHENOL BIODEGRADATION WITH <i>Pseudomonas putida</i> BY MBR”</p> <p>Rosas, I., Innocenti, T., Patiño, Y., Gutierrez, A., Díaz, M.</p> <p>Dept. of Chemical Engineering and Environmental Technology (University of Oviedo) (ES)</p>
T8-032	<p>“PHOTOCATALYSIS AND OZONE TREATMENT OF PULP AND PAPER MILL EFFLUENTS”</p> <p>Merayo, N., Hermosilla, D., Blanco, L., Blanco, A.</p> <p>Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-033	<p>“WATER REUSE FROM AN ULTRAFILTRATION UNIT IN THE PAPERMAKING PROCESS”</p> <p>Monte, M.C., Ordóñez, R., Sánchez, M., Negro, C., Blanco, A.</p> <p>Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-034	<p>“LOW COST SORBENTS MADE FROM OLIVE PROCESSING SOLID WASTES TO BE USED IN INDUSTRIAL WASTEWATER TREATMENT”</p> <p>Arroyo, F., Olivares, J., Fernandez-Pereira, C.</p> <p>Chemical and Environmental Engineering Department (University of Sevilla) (ES)</p>
T8-035	<p>“WETLAND DESIGN FOR INDUSTRIAL WASTEWATER TREATMENT: CHOOSING THE RIGHT SUBSTRATE”</p> <p>Santín, C., García, B., Bécares, E., Fernández, S., Bueno, A., Librero, R., Fernández, A., Álvarez, M.A., Loredó, J.</p> <p>INDUROT (University of Oviedo) (ES)</p>
T8-036	<p>“REMOVAL OF MICROPOLLUTANTS COMPOUNDS FROM WASTEWATER BY ADSORPTION”</p> <p>Sotelo, J.L., Ovejero, G., Rodríguez, A., Mestanza, M., Díez, S., García, J.</p> <p>Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-037	<p>“ANALYSIS OF INLET AND OUTLET INDUSTRIAL WASTEWATER EFFLUENTS BY MEANS OF BENCHTOP TOTAL REFLECTION X-RAY FLUORESCENCE SPECTROMETRY”</p> <p>Marguí, E.¹, Tapias, J.C.², Casas, A.³, Hidalgo, M.⁴, Queralt, I.¹</p> <p>¹Laboratory of X-ray Analytical Applications (Inst. of Earth Sciences “Jaume Almera” – CSIC) (ES); ²Soil Science Laboratory (University of Barcelona) (ES); ³Water Institute - Department of Geochemistry, Petrology and Geological Prospecting (University of Barcelona) (ES); ⁴Dept. of Chemistry (University of Girona) (ES)</p>
T8-038	<p>“NI/-FE SUPPORTED ON HYDROTALCITES LIKE MATERIALS TO REGENERATE INDUSTRIAL WASTEWATER BY CATALYTIC WET AIR OXIDATION”</p> <p>Ovejero, G., Sotelo, J.L., Rodríguez, A., Vallet, A., García, A.</p> <p>Chemical Engineering Department (Complutense University of Madrid) (ES)</p>

T8-039	<p>“ADVANCED OXIDATION TREATMENT BY HYDRODYNAMIC CAVITATION OF P-NITROPHENOL WASTEWATER STREAMS”</p> <p>López, R., Escolano, O., Domínguez, J.C., Rodríguez, F., García-Frutos, F.J. Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-040	<p>“REMOVAL OF CD²⁺ AND CU²⁺ BY FREE AND IMMOBILIZED <i>Saccharomyces cerevisiae</i>: KINETIC AND EQUILIBRIUM MODELING”</p> <p>Martins, R.^{1,2}, Vilar, V.², Boaventura, R.²</p> <p>¹Dep. of Chemical and Biological Technology (University of Applied Sciences of Bragança) (PT); ²LSRE-Laboratory of Separation and Reaction Engineering (University of Porto) (PT)</p>
T8-041	<p>“CORROSIVITY OF THE WATER USED IN ABSORPTION COLUMNS FOR CLEANING GASEOUS EFFLUENTS FROM DRYERS OF OLIVE CAKES”</p> <p>La Rubia, M.D., Pacheco, R., Sánchez, S., Sánchez-Bautista, A., Sánchez, A., Palmero, E.M.</p> <p>Dept. of Chemical, Environmental and Materials Engineering (University of Jaén) (ES)</p>
T8-042	<p>“ENVIRONMENTALLY FRIENDLY CONTROL OF MICROBIAL GROWTH IN PROCESS WATER OF THE PAPER INDUSTRY”</p> <p>Torres, E., Negro, C., Blanco, A.</p> <p>Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-Aquafit-1	<p>“CHEMOMETRIC METHODS AS USEFUL TOOL FOR CHARACTERIZATION OF TEXTILE WASTEWATER STREAMS (CROSS CORRELATION TABLE, CLUSTER ANALYSIS, PRINCIPAL COMPONENT ANALYSIS, LINEAR DISCRIMINANT ANALYSIS)”</p> <p>Novak, N., Majcen Le Marechal, A., Bogataj, M.</p> <p>Faculty of Mechanical Engineering (University of Maribor) (SI)</p>
T8-Aquafit-2	<p>“PTS SYSTEMCHECK WATER®”</p> <p>Holger, J., Römer, D., Well, A., Hutter, A.</p> <p>Papiertechnische Stiftung PTS (DE)</p>
T8-Aquafit-3	<p>“CONTROL SYSTEMS FOR ACTIVATED SLUDGE PROCESSES”</p> <p>Sancho, L., Grau, P.</p> <p>CEIT (ES)</p>
T8-Aquafit-4	<p>“METHODOLOGY FOR FLOCCULATION CONTROL”</p> <p>De la Fuente, E., Blanco, A.</p> <p>Chemical Engineering Department (Complutense University of Madrid) (ES)</p>
T8-Aquafit-5	<p>“AQUASCAN®”</p> <p>Sanz, J.M., de Gracia, M., Larrea, A., Urruticoechea, A.</p> <p>ATM S.A. (ES)</p>
T8-Aquafit-6	<p>“OPTIMIZATION TOOLS FOR THE TREATMENT OF COLORED WASTEWATER BY UV/H₂O₂”</p> <p>Novak, N., Majcen Le Marechal, A., Bogataj, M.</p> <p>Faculty of Mechanical Engineering (University of Maribor) (SI)</p>
T8-Aquafit-7	<p>“WEST-APPLICATIONS FOR WASTEWATER TREATMENT PLANTS: WESTFOR DESIGN, WESTFOR OPERATORS, WESTFOR AUTOMATION, WESTFOR IUWS (INTEGRATED URBAN WATER SYSTEMS)”</p> <p>Van der Stede, D., Clays, F.</p> <p>Most for water (BE)</p>

T8-Aquafit-8	<p>“BIOMAR® AHP: HIGH-RATE ANAEROBIC REACTOR WITH GAS RECIRCULATION” Dyjak, B., Engelhart, M. EnviroChemie GmbH (DE)</p>
T8-Aquafit-9	<p>“3FM™ FILTRATION SYSTEM (FLEXIBLE FIBRE FILTER MODULE)” Cantet, J., Coste, M., Denieul, M.P. VEOLIA Environment Research & Innovation (FR)</p>
T8-Aquafit-10	<p>“MEDOX®, MEMBRANE BIOREACTOR WITH PURE OXYGEN” Larrea, A., de Gracia, M., Urruticoechea, A. ATM S.A. (ES)</p>
T8-Aquafit-11	<p>“OZONE PROCESS” Vogt, J., Broman, M. ITT-Water & Wastewater WEDECO GmbH (DE)</p>
T8-Aquafit-12	<p>“AIRO, AIR/WATER CLEANING TO CONTROL MEMBRANE FOULING” Van Staveren, P. Logisticon (NL)</p>
T8-Aquafit-13	<p>“FACT, FILTRATION ASSISTED CRYSTALLIZATION TECHNOLOGY” Van Erkel, J. TNO (NL)</p>
T8-Aquafit-14	<p>“MOVING BED ADSORPTION” Van Tongeren, W. TNO (NL)</p>
T8-Aquafit-15	<p>“MEMBRANE CONTACTOR, REMOVAL OF DISSOLVED CONTAMINANTS BY USING A SUITABLE EXTRACTING SOLVENT” Van Medevoort, J. TNO (NL)</p>
T8-Aquafit-16	<p>“MEMSTILL, MEMBRANE DISTILLATION” Van Medevoort, J. TNO (NL)</p>
T8-Aquafit-17	<p>“BIOFILM BIOREACTOR USING NATURALLY IMMOBILIZED TAILOR-MADE MICROORGANISMS” Cernik, M., Lederer, T. AQUATEST (CZ)</p>
T8-Aquafit-18	<p>“ENVOPUR® SPIRAL-WOUND MEMBRANE MODULES WITH NEW TYPE OF SPACER (TUBULAR SPACER)” Dyjak, B., Engelhart, M. EnviroChemie GmbH (DE)</p>
T8-Aquafit-19	<p>“TROUBLESHOOTING AND OPTIMISATION OF WASTEWATER TREATMENT PLANTS” Bierbaum, S. Papiertechnische Stiftung PTS (DE)</p>

T8-Aquafit-20	"MICROBIOLOGICAL CONTROL IN WATER CIRCUITS" Torres, E., Blanco, A. Chemical Engineering Department (Complutense University of Madrid) (ES)
T8-Aquafit-21	"REDUCTION OF FRESH WATER CONSUMPTION BY DESTABILISATION AND REMOVAL OF CONTAMINANTS" Miranda, R., Blanco, A. Chemical Engineering Department (Complutense University of Madrid) (ES)
T8-Aquafit-22	"SMALL UNITS FOR DESALINATION OF SEA WATER BY ELECTRODIALYSIS" Altmeier, P. PCCELL GMBH (IT)

VII ANQUE'S INTERNATIONAL CONGRESS

INTEGRAL WATER CYCLE: PRESENT AND FUTURE
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