Contents

199 Electrochemical dechlorination of 2,4-dichlorophenol in aqueous solution on palladium-loaded meshed titanium electrode
Z. R. Sun, M. Gao, Y. Z. Peng and X. Hu

206 Electrochemical treatment of wastewater polluted by nitrate: selective reduction to N₂ on Boron-Doped Diamond cathode
V. Georgeaud, A. Diamand, D. Borrut, D. Grange and M. Coste

213 Development of a flocculation sub-model for a 3-D CFD model based on rectangular settling tanks
M. Gong, S. Xanthos, K. Ramalingam, J. Fillos, K. Beckmann, A. Deur and J. A. McCorquodale

220 Aquifer recharge for securing water resources: the experience in Llobregat river
M. Hernández, J. Tobella, F. Ortuño and J. Ll. Armenter

227 Issues of drinking water quality of small scale water services towards climate change
I. Delpla, E. Baures, A. V. Jung, M. Clement and O. Thomas

233 Algorithmic network monitoring for a modern water utility: a case study in Jerusalem
A. Armon, S. Gutner, A. Rosenberg and H. Scolnicov

240 Suspended particles in wastewater: their optical, sedimentation and acoustical characterization and modeling
A. Pallarès, P. François, M.-N. Pons and P. Schmitt

248 Developing a public information and engagement portal of urban waterways with real-time monitoring and modeling
T. A. Cochrane, D. Wicke and A. O’Sullivan

255 Virus removal retention challenge tests performed at lab scale and pilot scale during operation of membrane units
H. Humbert, C. Machinal, Ivan Labaye and J. C. Schrotter

262 Characteristics of different fractions of microbial flocs and their role in membrane fouling
H. J. Lin, W. J. Gao, K. T. Leung and B. Q. Liao

270 Simulation of membrane fouling considering mixed liquor viscosity and variation of shear stress on membrane surface
Hiwan Moe Zaw, Tari Li and H. Nagaoka

276 UV photolysis of perfluorooctanoic acid (PFOA) in dilute aqueous solution

283 A practical method for the restoration of clogged rural vertical subsurface flow constructed wetlands for domestic wastewater treatment using earthworm
Huai Zh Z. Li, Sheng Wang, Jianfeng F. Ye, Zuxin X. Xu and Wei Jin

291 Comprehensive review and compilation of pretreatments for mesophilic and thermophilic anaerobic digestion
É. L. Bordeleau and R. L. Droste
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>297</td>
<td>Ozonation of endogenous residue and active biomass from a synthetic activated sludge</td>
<td>M. -A. Labelle, A. Ramdani, S. Deleris, A. Gadbois, P. Dold and Y. Comeau</td>
</tr>
<tr>
<td>303</td>
<td>Advanced treatment of Membrane Bioreactor (MBR) effluents for effective wastewater reclamation</td>
<td>Sarper Sarp, Kangmin Chon, In S. Kim and Jaeweon Cho</td>
</tr>
<tr>
<td>311</td>
<td>Effects of the cometabolite/growth substrate ratio on the aerobic degradation of 4-monochlorophenol</td>
<td>S. Milia, G. Cappai, G. De Gioannis and A. Carucci</td>
</tr>
<tr>
<td>318</td>
<td>The role of colloidal and particulate organic compounds in denitrification and EBPR occurring in a full-scale activated sludge system</td>
<td>J. Drewnowski and J. Makinia</td>
</tr>
<tr>
<td>325</td>
<td>Evaluation of effectiveness of combined sewer overflow control measures by operational data</td>
<td>K. Schroeder, M. Riechel, A. Matzinger, P. Rouault, H. Sonnenberg, E. Pawlowsky-Reusing and R. Gnirss</td>
</tr>
<tr>
<td>331</td>
<td>Reducing CSOs and giving the river back to the public: innovative combined sewer overflow control and riverbanks restoration of the St Charles River in Quebec City</td>
<td>Olivier Fradet, Martin Pleau and Christiane Marcoux</td>
</tr>
<tr>
<td>339</td>
<td>P-Recovery from sewage by seeded crystallisation in a pilot plant in batch mode technology</td>
<td>A. Ehbrecht, S. Schönauer, T. Fuderer and R. Schuhmann</td>
</tr>
<tr>
<td>345</td>
<td>Could nitrite/free nitrous acid favour GAOs over PAOs in enhanced biological phosphorus removal systems?</td>
<td>M. Pijuan, L. Ye and Z. Yuan</td>
</tr>
<tr>
<td>352</td>
<td>Long-term operation of a reactor enriched in Accumulibacter clade I DPAOs: performance with nitrate, nitrite and oxygen</td>
<td>A. B. Lanham, R. Moita, P. C. Lemos and M. A. M. Reis</td>
</tr>
<tr>
<td>360</td>
<td>On the effect of scaling conceptual model complexity on stochastic response for water quality modeling</td>
<td>G. T. Parker</td>
</tr>
</tbody>
</table>