

Water Science and Technology

Volume 59, Number 3

Contents

- 399 Comparative study of polyvinylidene fluoride and PES flat membranes in submerged MBRs to treat domestic wastewater
T. Zhu, Y. H. Xie, J. Jiang, Y. T. Wang, H. J. Zhang and T. Nozaki
- 407 Water Framework Directive catchment planning: a case study apportioning loads and assessing environmental benefits of programme of measures
Bob Crabtree, Sarah Kelly, Hannah Green, Graham Squibbs and Gordon Mitchell
- 417 Impacts of the climate change on runoff and diffuse phosphorus load to Lake Balaton (Hungary)
Á. Kovács and A. Clement
- 425 Between a rock and a hard place: incompatible objectives at the heart of river basin planning?
K. L. Blackstock
- 433 Modelling hydrological effects of wetland restoration: a differentiated view
J. Staes, M. H. Rubarenzya, P. Meire and P. Willems
- 443 Risk-based climate-change impact assessment for the water industry
O. M. Thorne and R. A. Fenner
- 453 Stochastic water balance simulation for Lake Balaton (Hungary) under climatic pressure
M. Honti and L. Somlyódy
- 461 How to deal with cost-efficiency aspects at the set-up of programmes of measures
Michael Weyand, Thomas Grünebaum, Heinrich Schweder and Christian Huber
- 469 Impact of an extreme dry and hot summer on water supply security in an alpine region
D. Vanham, E. Fleischhacker and W. Rauch
- 479 Decision support system for optimal reservoir operation modeling within sediment deposition control
Iwan K. Hadihardaja
- 491 Uncertainty and sensitivity analysis of control strategies using the benchmark simulation model No1 (BSM1)
Xavier Flores-Alsina, Ignasi Rodríguez-Roda, Gürkan Sin and Krist V. Gernaey
- 501 Integrated anaerobic treatment of dairy industrial wastewater and sludge
Mauricio Passeggi, Iván López and Liliana Borzacconi
- 507 Aerobic moving bed bioreactor performance: a comparative study of removal efficiencies of kraft mill effluents from *Pinus radiata* and *Eucalyptus globulus* as raw material
C. A. Villamar, M. Jarpa, J. Decap and G. Vidal

- 515 A parameter identifiability and estimation study in Yesilirmak River
R. Berber, M. Yuceer and E. Karadurmus
- 523 Characterization and photocatalytic activity of vanadium-doped titanium dioxide nanocatalysts
Pei-Yi Chang, Chun-Hsin Huang and Ruey-an Doong
- 531 Modeling water and nutrients fluxes in the Büyük Menderes drainage basin, Turkey
Ö. F. Durdu and V. Cvetkovic
- 543 Detection and monitoring of biofilm formation in water treatment systems by quartz crystal microbalance sensors
C. Sprung, D. Wählich, R. Hüttl, J. Seidel, A. Meyer and G. Wolf
- 549 The development of an ecological approach to manage the pollution risk from highway runoff
B. Crabtree, P. Dempsey, I. Johnson and M. Whitehead
- 557 Novel electrode materials to enhance the bacterial adhesion and increase the power generation in microbial fuel cells (MFCs)
Daqian Jiang and Baikun Li
- 565 Removing dye Rhodamine B from aqueous medium via wet peroxidation with V-MCM-41 and H₂O₂
Deyong Wu, Mingce Long, Chao Chen, Yahui Wu, Weimin Cai, Jiangya Zhou and Dawei Ding
- 573 Excess nitrogen accumulation in activated sludge in sequencing batch reactor with a single-stage oxic process
Xiao-ming Li, Dong-bo Wang, Qi Yang, Wei Zheng, Jian-bin Cao, Xiu Yue, Ting-ting Shen, Guang-ming Zeng and Jiu-hua Deng
- 583 Using FBRM to investigate the sewage sludge flocculation efficiency of cationic polyelectrolytes
K. B. Thapa, Y. Qi and A. F. Hoadley
- 595 A practical framework using odor survey data to prioritize nuisance odors
G. A. Burlingame
- 603 Effect of ultrasonic treatment on swine wastewater solubilization
Y. H. Lee, S.-M. Kim, S. Na, K.-H. So and J.-J. Nam
- 609 Erratum
- 619 Erratum