

Water Science and Technology

Volume 58, Number 8

Contents

- 1535 Membrane fouling propensity after adsorption as pretreatment in rainwater: a detailed organic characterisation
L. Sabina, B. Kus, H.-K. Shon and J. Kandasamy
- 1541 Biological effects of PPCPs on aquatic lives and evaluation of river waters affected by different wastewater treatment levels
Arata Harada, Koya Komori, Norihide Nakada, Kiyooki Kitamura and Yutaka Suzuki
- 1547 Benefits and drawbacks of thermal pre-hydrolysis for operational performance of wastewater treatment plants
P. Phothilangka, M. A. Schoen and B. Wett
- 1555 Sustainable wastewater management: life cycle assessment of conventional and source-separating urban sanitation systems
C. Remy and M. Jekel
- 1563 Case study: the characteristics of the biodegradable waste for the anaerobic digestion plant in Lisbon area
F. Vaz, A. Torres and C. Neiva Correia
- 1569 Utilization of activated sludge plants for enhanced treatment of combined sewage
B. Nikolavcic, K. Svardal, G. Wandl, N. Günther and G. Spatzierer
- 1575 Applicability of reused industrial dry sanding powder for adsorption of arsenic
Y. J. Park, J. K. Yang and S. I. Choi
- 1581 Uncoupling of liquid and solid retention times in anaerobic digestion of catering wastes
M. A. Climenhaga and C. J. Banks
- 1589 Microbial community analysis of a full-scale membrane bioreactor treating industrial wastewater
D. Naidoo, N. Ramdhani and F. Bux
- 1595 Development of a water state index to assess the severity of impacts on and changes in natural water resources
A. K. J. Suridge and A. C. Brent
- 1601 Recovery of high purity phosphorus from municipal wastewater secondary effluent by a high-speed adsorbent
I. Midorikawa, H. Aoki, A. Omori, T. Shimizu, Y. Kawaguchi, K. Kassai and T. Murakami
- 1609 Seasonal and spatial variations in characteristics of Lake Biwa dissolved organic matter: sorption of pyrene and its derivatives and fluorescence properties
T. Kusakabe, K. Ikeda, Y. Shimizu, S. Higashi, Y. Kawabata, T. Kitamura and Y. Suzuki
- 1615 A simple method to evaluate the short-term biogas yield in anaerobic codigestion of WAS and organic wastes
D. Scaglione, S. Caffaz, E. Ficara, F. Malpei and C. Lubello

- 1623 Acid pre-treatment of sewage anaerobic sludge to increase hydrogen producing bacteria HPB: effectiveness and reproducibility
T. Tommasi, G. Sassi and B. Ruggeri
- 1629 Immobilization of bimetallic nanoparticles on microfiltration membranes for trichloroethylene dechlorination
G. K. Parshetti and R. A. Doong
- 1637 Impact of recycled effluent on the hydrolysis during anaerobic digestion of vegetable and flower waste
F. Lü, P. J. He, L. P. Hao and L. M. Shao
- 1645 Biogas production from mono-digestion of maize silage—long-term process stability and requirements
M. Lebuhn, F. Liu, H. Heuwinkel and A. Gronauer
- 1653 Sustainable wastewater treatment of temporary events: the Dranouter Music Festival case study
S. W. H. Van Hulle, W. Audenaert, B. Decostere, J. Hogie and P. Dejjans
- 1659 Optimisation of biogas production from anaerobic digestion of agro-industrial waste streams in Brazil
M. A. Boncz, L. Pinheiro Bezerra, C. Nobuyoshi Ide and P. Loureiro Paulo
- 1665 Criteria for determining alternative plants to improve the resource recovery efficiency in constructed wetlands
N. Chiarawatchai, M. Heers and R. Otterpohl
- 1671 The limits and ultimate possibilities of technology of the activated sludge process
A. F. van Nieuwenhuijzen, A. G. N. van Bentem, A. Buunnen, B. A. Reitsma and C. A. Uijterlinde
- 1679 Coupled photo-Fenton—biological system: effect of the Fenton parameters such as residual H_2O_2 , Fe^{2+} and pH on the efficiency of biological process
Rosa Mosteo, Damien Gummy and Cesar Pulgarin
- 1687 Struvite formation, analytical methods and effects of pH and Ca^{2+}
X.-D. Hao, C.-C. Wang, L. Lan and M. C. M. van Loosdrecht
- 1693 Kinetic and metabolic aspects of *Deffluviococcus vanus*-related organisms as competitors in EBPR systems
A. B. Lanham, M. A. M Reis and P. C. Lemos
- 1699 Removal of endocrine disruptors and cytostatics from effluent by nanofiltration in combination with adsorption on powdered activated carbon
C. Kazner, K. Lehnberg, L. Kovalova, T. Wintgens, T. Melin, J. Hollender and W. Dott