

# Water Science and Technology

Volume 58, Number 10

## Contents

- 1889 Autotrophic nitrogen removal in sequencing batch biofilm reactors at different oxygen supply modes  
**C. Wantawin, J. Juateea, P. L. Noophan and J. Munakata-Marr**
- 1895 Full-scale application of focused-pulsed pre-treatment for improving biosolids digestion and conversion to methane  
**Bruce E. Rittmann, Hyung-sool Lee, Husen Zhang, Jared Alder, James E. Banaszak and Ronald Lopez**
- 1903 Monitoring of transparent exopolymer particles (TEP) in a membrane bioreactor (MBR) and correlation with other fouling indicators  
**T. de la Torre, B. Lesjean, A. Drews and M. Kraume**
- 1911 Ecological stabilization of thickened wastewater sludge from CAST process  
**Y. B. Cui, X. H. Wu, Zh. Sh. Liu, J. Zh. Liu and Y. Z. Lin**
- 1917 The combined approach—a challenge for border crossing water quality issues in Austria  
**M. Zessner**
- 1925 Feasibility of submerged anaerobic membrane bioreactor (SAMBR) for treatment of low-strength wastewater  
**Z. Huang, S. L. Ong and H. Y. Ng**
- 1933 Characterisation of biofilm constituents and their effect on membrane filterability in MBRs  
**T. C. A. Ng and H. Y. Ng**
- 1941 Adapting a denitrifying biocathode for perchlorate reduction  
**Caitlyn Shea, Peter Clauwaert, Willy Verstraete and Robert Nerenberg**
- 1947 Heavy metal removal from wastewater using zero-valent iron nanoparticles  
**S. Y. Chen, W. H. Chen and C. J. Shih**
- 1955 Electrostatic repulsion as a mechanism in fouling of ultrafiltration membranes  
**Elizabeth Arkhangelsky, Inna Levitsky and Vitaly Gitis**
- 1963 Effects of high salinity wastewater on methanogenic sludge bed systems  
**S. B. Ismail, P. Gonzalez, D. Jeison and J. B. van Lier**
- 1971 Application of ozonation to reduce biological sludge production in an industrial wastewater treatment plant  
**J. S. Albuquerque, J. C. Domingos, G. L. Sant'Anna Jr. and M. Dezotti**
- 1977 Phosphorus recovery in aerated systems by MAP precipitation: optimizing operational conditions  
**D. Stumpf, H. Zhu, B. Heinzmann and M. Kraume**



Publishing

- 1985 Coupled removal of organic compounds and heavy metals by titanate/carbon nanotube composites  
**Ruey-An Doong and Li-Fen Chiang**
- 1993 Determination and evaluation of the phosphorus load of an artificial shallow lake  
**Y. Schneider, S. Grube and M. Weilandt**
- 2001 Elements for setting up discharge standards in developing countries based on actual wastewater treatment plant performance  
**Sílvia C. Oliveira and Marcos von Sperling**
- 2009 A contribution to solve the arsenic problem in groundwater of Ganges Delta by in-situ treatment  
**U. Rott and H. Kauffmann**
- 2017 Constructed wetland treatment system in textile industry and sustainable development  
**L. C. Davies, I. S. Pedro, R. A. Ferreira, F. G. Freire, J. M. Novais and S. Martins-Dias**
- 2025 Ranking methods to set restoration and remediation priorities on a watershed scale  
**William T. Stringfellow**
- 2031 Institutional and legal arrangements in the Nile river basin: suggestions to improve the current situation toward adaptive integrated water resources management  
**Khalid Mohamed El Hassan Abdalla**
- 2041 In the search of alternative cleaning solutions for MBR plants  
**A. Grélot, C. Machinal, K. Drouet, A. Tazi-Pain, J. C. Schrotter, A. Grasmick and S. Grinwis**
- 2051 Use of polishing pond effluents to cultivate lettuce (*Lactuca sativa*) in a hydroponic system  
**R. Keller, K. Perin, W. G. Souza, L. S. Cruz, E. Zandonade, S. T. A. Cassini and R. F. Goncalves**
- 2059 New process for alleviation of membrane fouling of modified hybrid MBR system for advanced domestic wastewater treatment  
**Liu Shuo, Wang Baozhen, Han Hongjun and Liu Yanping**
- 2067 Erratum

