Accepted Manuscript

Early non-destructive biofouling detection and spatial distribution: Application of oxygen sensing optodes

N.M. Farhat, M. Staal, A. Siddiqui, S.M. Borisov, Sz.S. Bucs, J.S. Vrouwenvelder

PII: S0043-1354(15)30065-8

DOI: 10.1016/j.watres.2015.06.015

Reference: WR 11355

To appear in: Water Research

Received Date: 1 April 2015 Revised Date: 7 June 2015 Accepted Date: 9 June 2015

Please cite this article as: Farhat, N.M., Staal, M., Siddiqui, A., Borisov, S.M., Bucs, S.S., Vrouwenvelder, J.S., Early non-destructive biofouling detection and spatial distribution: Application of oxygen sensing optodes, Water Research (2015), doi: 10.1016/j.watres.2015.06.015.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

- 1 Early non-destructive biofouling detection and
- 2 spatial distribution: application of oxygen sensing
- 3 optodes
- 4 N.M. Farhat^a*, M. Staal^a, A. Siddiqui^a, S.M. Borisov^b, Sz.S.
- 5 Bucs^a, J.S. Vrouwenvelder^{a,c,d}
- 6 ^a King Abdullah University of Science and Technology, Water
- 7 Desalination and Reuse Center, Thuwal 23955-6900, Saudi
- 8 Arabia.
- 9 b Graz University of Technology, Institute of Analytical
- 10 Chemistry and Food Chemistry, Stremayrgasse 9, 8010 Graz,
- 11 Austria
- b Delft University of Technology, Faculty of Applied Sciences,
- Department of Biotechnology Julianalaan 67, 2628 BC Delft,
- 14 The Netherlands.
- 15 d Wetsus, European Centre of Excellence for Sustainable Water
- 16 Technology, Oostergoweg 9, 8911 MA Leeuwarden, The
- 17 Netherlands
- * Corresponding author: Tel. +966562604415, e-mail:
- 19 Nadia.farhat@kaust.edu.sa, King Abdallah University of
- 20 Science and Technology, Water Desalination and Reuse
- 21 Center, 23955-6900 Thuwal, Saudi Arabia

22

Download English Version:

https://daneshyari.com/en/article/6365723

Download Persian Version:

https://daneshyari.com/article/6365723

Daneshyari.com