

Accepted Manuscript

Comparative performance of anaerobic attached biofilm and granular sludge reactors for the treatment of model mine drainage wastewater containing selenate, sulfate and nickel

Lea Chua Tan, Stefano Papirio, Vincenzo Luongo, Yarlagadda V. Nancharaiah, Paola Cennamo, Giovanni Esposito, Eric D. van Hullebusch, Piet N.L. Lens

PII: S1385-8947(18)30536-9
DOI: <https://doi.org/10.1016/j.cej.2018.03.177>
Reference: CEJ 18784

To appear in: *Chemical Engineering Journal*

Received Date: 9 February 2018
Revised Date: 28 March 2018
Accepted Date: 30 March 2018

Please cite this article as: L.C. Tan, S. Papirio, V. Luongo, Y.V. Nancharaiah, P. Cennamo, G. Esposito, E.D. van Hullebusch, P.N.L. Lens, Comparative performance of anaerobic attached biofilm and granular sludge reactors for the treatment of model mine drainage wastewater containing selenate, sulfate and nickel, *Chemical Engineering Journal* (2018), doi: <https://doi.org/10.1016/j.cej.2018.03.177>

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.



Revised main manuscript

Comparative performance of anaerobic attached biofilm and granular sludge reactors for the treatment of model mine drainage wastewater containing selenate, sulfate and nickel

Lea Chua Tan^{a*}, Stefano Papirio^b, Vincenzo Luongo^{b,c}, Yarlagadda V. Nancharaiah^d, Paola Cennamo^e, Giovanni Esposito^f, Eric D. van Hullebusch^a, Piet N. L. Lens^a

^a UNESCO-IHE Institute for Water Education, Westvest 7, 2611 AX Delft, The Netherlands

^b Department of Civil, Architectural and Environmental Engineering, University of Naples “Federico II”, via Claudio 21, 80125 Naples, Italy

^c Department of Mathematics and Applications “Renato Caccioppoli”, University of Naples “Federico II”, via Cinzia, Monte S. Angelo, 80124 Naples, Italy

^d Biofouling and Biofilm Process Section, Water and Steam Chemistry Division, Bhabha Atomic Research Centre, Kalpakkam – 603102, Tamil Nadu, India

^e Faculty of Letters, University of Suor Orsola Benincasa of Naples, via Santa Caterina da Siena 37, 80135 Naples, Italy

^f Department of Civil and Mechanical Engineering, University of Cassino and Southern Lazio, via Di Biasio 43, 03043 Cassino (FR), Italy

To be submitted to: *Chemical Engineering Journal*

*Corresponding author: Lea Chua Tan (lea_chua_tan@yahoo.com)

Download English Version:

<https://daneshyari.com/en/article/6579451>

Download Persian Version:

<https://daneshyari.com/article/6579451>

[Daneshyari.com](https://daneshyari.com)