

Accepted Manuscript

The physiology of trace elements in biological methane production

Annalisa Abdel Azim, Christian Pruckner, Philipp Kolar, Ruth-Sophie Taubner,
Debora Fino, Guido Saracco, Filipa L. Sousa, Simon K.-M. R. Rittmann

PII: S0960-8524(17)30886-6
DOI: <http://dx.doi.org/10.1016/j.biortech.2017.05.211>
Reference: BITE 18237

To appear in: *Bioresource Technology*

Received Date: 28 March 2017
Revised Date: 30 May 2017
Accepted Date: 31 May 2017

Please cite this article as: Azim, A.A., Pruckner, C., Kolar, P., Taubner, R-S., Fino, D., Saracco, G., Sousa, F.L., K.-M. R. Rittmann, S., The physiology of trace elements in biological methane production, *Bioresource Technology* (2017), doi: <http://dx.doi.org/10.1016/j.biortech.2017.05.211>

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.



The physiology of trace elements in biological methane production

Annalisa Abdel Azim^{1,2}, Christian Pruckner¹, Philipp Kolar¹, Ruth-Sophie Taubner^{1,3}, Debora Fino², Guido Saracco^{2,4}, Filipa L. Sousa¹, Simon K.-M. R. Rittmann^{1*}

¹Archaea Biology and Ecogenomics Division, Department of Ecogenomics and Systems Biology, Universität Wien, Wien, Austria

²Department of Applied Science and Technology (DISAT), Politecnico di Torino, Turin, Italy

³Institute of Astrophysics, Universität Wien, Austria

⁴Centre for Sustainable Future Technologies (CSF@PoliTo), Istituto Italiano di Tecnologia (IIT), Turin, Italy

*Corresponding author:

Dr. Simon K.-M. R Rittmann

Archaea Biology and Ecogenomics Division

Department of Ecogenomics and Systems Biology

Universität Wien

Althanstraße 14

1090 Wien

Österreich/Austria

Tel.: +43-1-4277-76513

Fax.: +43-1-4277-876513

email.: simon.rittmann@univie.ac.at

Abstract

Download English Version:

<https://daneshyari.com/en/article/4997061>

Download Persian Version:

<https://daneshyari.com/article/4997061>

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