

## Accepted Manuscript

Formation of assimilable organic carbon during the oxidation of water containing *Microcystis aeruginosa* by ozone and an advanced oxidation process using ozone/hydrogen peroxide

Gang Wen, Hong Zhu, Youda Wei, Tinglin Huang, Jun Ma

PII: S1385-8947(16)31147-0

DOI: <http://dx.doi.org/10.1016/j.cej.2016.08.073>

Reference: CEJ 15639

To appear in: *Chemical Engineering Journal*

Received Date: 19 June 2016

Revised Date: 22 July 2016

Accepted Date: 15 August 2016

Please cite this article as: G. Wen, H. Zhu, Y. Wei, T. Huang, J. Ma, Formation of assimilable organic carbon during the oxidation of water containing *Microcystis aeruginosa* by ozone and an advanced oxidation process using ozone/hydrogen peroxide, *Chemical Engineering Journal* (2016), doi: <http://dx.doi.org/10.1016/j.cej.2016.08.073>

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.



**Formation of assimilable organic carbon during the oxidation  
of water containing *Microcystis aeruginosa* by ozone and an  
advanced oxidation process using ozone/hydrogen peroxide**

**Gang Wen<sup>a,b</sup>, Hong Zhu<sup>a,b</sup>, Youda Wei<sup>c</sup>, Tinglin Huang<sup>a,b\*</sup>, Jun Ma<sup>d\*\*</sup>**

<sup>a</sup>Key Laboratory of Northwest Water Resource, Environment and Ecology, MOE, Xi'an University of Architecture and Technology, Xi'an, 710055, PR China.

<sup>b</sup>Shaanxi Key Laboratory of Environmental Engineering, Xi'an University of Architecture and Technology, Xi'an, 710055, PR China.

<sup>c</sup>Shanghai Municipal Engineering Design Institute (Group) Co. Ltd, Shanghai 200092, People's Republic of China.

<sup>d</sup>State Key Laboratory of Urban Water Resource and Environment, Harbin Institute of Technology, Harbin 150090, People's Republic of China.

\* Corresponding author: Tel.: +86-29-82201038; Fax: +86-29-82201038.

E-mail address: [huangtinglin@xauat.edu.cn](mailto:huangtinglin@xauat.edu.cn) (Tinglin Huang)

\*\* Co-corresponding author: Tel.: +86-451-86282292; Fax: +86-451-82368074.

E-mail address: [majun@hit.edu.cn](mailto:majun@hit.edu.cn) (Jun Ma)

Download English Version:

<https://daneshyari.com/en/article/4763472>

Download Persian Version:

<https://daneshyari.com/article/4763472>

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