

Accepted Manuscript

N-acetylcysteine protects against microcystin-LR-induced endoplasmic reticulum stress and germ cell apoptosis in zebrafish testes

Sujuan Zhao, Ying Liu, Fang Wang, Dexiang Xu, Ping Xie



PII: S0045-6535(18)30658-1

DOI: [10.1016/j.chemosphere.2018.04.020](https://doi.org/10.1016/j.chemosphere.2018.04.020)

Reference: CHEM 21168

To appear in: *ECSN*

Received Date: 7 December 2017

Revised Date: 3 April 2018

Accepted Date: 4 April 2018

Please cite this article as: Zhao, S., Liu, Y., Wang, F., Xu, D., Xie, P., N-acetylcysteine protects against microcystin-LR-induced endoplasmic reticulum stress and germ cell apoptosis in zebrafish testes, *Chemosphere* (2018), doi: [10.1016/j.chemosphere.2018.04.020](https://doi.org/10.1016/j.chemosphere.2018.04.020).

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.

1 **N-acetylcysteine protects against microcystin-LR-induced endoplasmic reticulum**
2 **stress and germ cell apoptosis in zebrafish testes**

3 Sujuan Zhao^a, Ying Liu^b, Fang Wang^a, Dexiang Xu^{a*}, Ping Xie^{c*}

4 ^aSchool of Public Health, Anhui Medical University, Hefei 230032, China

5 ^bKey Laboratory of High Magnetic Field and Ion Beam Physical Biology, Hefei
6 Institutes of Physical Science, Chinese Academy of Sciences, Hefei 230031, China

7 ^cDonghu Experimental Station of Lake Ecosystems, State Key Laboratory of
8 Freshwater Ecology and Biotechnology, Institute of Hydrobiology, Chinese Academy
9 of Sciences, Wuhan 430072, China

10

11 *Author for correspondence:

12 Ping Xie, Ph.D.

Dexiang Xu, Ph.D.

13 Institute of Hydrobiology,
14 Chinese Academy of Sciences,

School of Public Health,
Anhui Medical University,

15 Wuhan 430072, China

Hefei 230032, China

16 E-mail address: xieping@ihb.ac.cn.

E-mail address: xudex@126.com

17

18

19

Download English Version:

<https://daneshyari.com/en/article/8851190>

Download Persian Version:

<https://daneshyari.com/article/8851190>

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