

## Accepted Manuscript

Title: Microcystis Bloom Containing Microcystin-LR Induces Type 2 Diabetes Mellitus

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PII: S0378-4274(18)30202-9  
DOI: <https://doi.org/10.1016/j.toxlet.2018.05.019>  
Reference: TOXLET 10202

To appear in: *Toxicology Letters*

Received date: 2-4-2018  
Revised date: 3-5-2018  
Accepted date: 14-5-2018

Please cite this article as: Zhang Q, Qin W, Yang L, An J, Zhang X, Hong H, Xu L, Wang Y, Microcystis Bloom Containing Microcystin-LR Induces Type 2 Diabetes Mellitus, *Toxicology Letters* (2018), <https://doi.org/10.1016/j.toxlet.2018.05.019>

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# ***Microcystis* Bloom Containing Microcystin-LR Induces Type 2 Diabetes**

## **Mellitus**

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## **Highlight**

- Exposure to *Microcystis* bloom water or MC-LR may induce the incidence of Type 2 Diabetes Mellitus
- Exposure of MC-LR, even at very low concentrations (1 µg/L), can impair the insulin receptor signalling pathway and induce hyperinsulinemia and insulin resistance in mice
- The most important intracellular targets for MC-LR are hepatic mitochondria

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