



CYANOBACTERIA and CYANOTOXIN TREATMENT March 2017

Literature References

Alvarez, M., et al. (2010), "Treating Algal Toxins Using Oxidation, Adsorption, and Membrane Technologies", Research Report 2839, Water Research Foundation, Denver, CO

Fan, J., (2013) "Evaluating the Effectiveness of Copper Sulphate, Chlorine, Potassium Permanganate, Hydrogen Peroxide, and Ozone on Cyanobacterial Cell Integrity", Water Research, 47:5153-5164

Fan, J., (2014) "The Effects of Various Control and Water Treatment Processes on the Membrane Integrity and Toxin Fate of Cyanobacteria", Journal of Hazardous Materials, 264:313-322

Ding, J., et al. (2010), "Release and Removal of Microcystins from Microcystis during Oxidative-, Physical-, and UV-Based Disinfection", Journal Environmental Engineering, 2-11

Xie, P., et al. (2013) "Comparison of Permanganate Preoxidation and Preozonation on Algae Containing Water: Cell Integrity, Characteristics, and Chlorinated Disinfectant Byproduct Formation", Environmental Science and Technology, 47(24):14051-14061

Ho, L., (2009) "Optimizing Water Treatment Practices for the Removal of Anabaena circinalis and Its Associated Metabolites, Geosmin and Saxitoxins", Journal of Water and Health, 07(4):544-556

Karner, D., et al. (2001) "Microcystin Algal Toxins in Source and Finished Drinking Water", Journal AWWA, American Water Works Association, Denver, CO., 72-81

Lei, L., et al. (2014) "Kinetics of Cell Inactivation, Toxin Release, and Degradation During Permanganation of Microcystis aeruginosa", Environmental Science and Technology, ACS Publications, American Chemical Society, 48:2885-2892

Rodriguez, E., et al. (2006) "Oxidation of Microcystins by Permanganate: Reaction Kinetics and Implications for Water Treatment", IWA, Water Research 41, Elsevier Ltd.

Rodriguez, E., et al. (2007) "Oxidation Elimination of Cyanotoxins: Comparison of Ozone, Chlorine, Chlorine Dioxide and Permanganate", IWA, Water Research 41, Elsevier Ltd.