Lin Guo
Associate Professor of Environmental Science
Department of Biological and Environmental Sciences
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A. Professional Preparation

College/University	Major	Degree, Year
Nanchang University, China	Environmental Engineering	BSc, 2005
Nanchang University, China	Environmental Engineering	MSc, 2008
University of Akron, Ohio, USA	Civil Engineering	PhD, 2014

B. Academic/Professional Appointments

2020-present	Associate Professor of Environmental Science, Department of Biological and Environmental Sciences, Texas A&M University-Commerce, Commerce, TX, USA
2014-2020	Assistant Professor of Environmental Science, Department of Biological and Environmental Sciences, Texas A&M University-Commerce, Commerce, TX, USA
2011-2014	Teaching Assistant, Department of Civil Engineering, University of Akron, Akron, OH, USA
2008-2011	Lecturer of Environmental Science, Department of Life Sciences, Jinggangshan University, China

C. Course Taught

ENVS 1401 MS Introduction to Environmental Science
ENVS 1401L Lab of Introduction to Environmental Science
ENVS 1301 US Introduction to Environmental Science
ENVS 302 Phase I Environmental Site Assessment
ENVS 303 Research Methods in Environmental Science
ENVS 303L Lab of Research Methods in Environmental Science
ENVS 402 Air Pollution Control
ENVS 405 Internship in Environmental Science
BSC 561 Bioremediation
BSC 595 Research Literature and Techniques

D. Papers

1) **Guo L.***and Cutright T. J., 2015. Effect of citric acid and bacteria on metal uptake in reeds grown in a synthetic acid mine drainage solution, Journal of Environmental Management, 150:235-242.

2) **Guo L.*** and Cutright T. J., 2015. Metal Plaque on Reeds from an Acid Mine Drainage Site, Journal of Environmental Quality, 44:859-867.

3) **Guo L.*** and Cutright T. J., 2016. Metal storage in reeds from an acid mine drainage contaminated field, International Journal of Phytoremediation, 254-261.

4) **Guo L.***and Cutright T. J., 2016. Bioaccumulation of metals in reeds collected from an acid mine drainage contaminated site in winter and spring, Environmental Technology, 37:1821-1828.

5) Yang J., Liu Z., Wan X., Zhen G., Yang J, Zhang X., **Guo L.** and Wang X., 2016. Interaction between sulfur and lead in toxicity, iron plaque formation and lead accumulation in rice plant, Ecotoxicology and Environmental Safety, 128:206-212.

6) Perry B.J., Sutton C.A., **Guo L.***, Yan X. and Yang J. 2018. Metal uptake in reeds from "flowback" fluids, Polish Journal of Environmental Studies, 231-236.

7) **Guo L.*** and Cutright T. J., 2018, Potential of citric acid to alter pH and metal uptake in reeds in acid mine drainage solutions; Water and Environment Journal, 333-340.

8) Gonzalez A.N. and **Guo L***, 2019. The potential of *Lemna minor* to uptake iron in water, Journal of Environmental Science and Engineering, 7:268-273.

9) **Guo L.*,** Perry B.J., Sutton C.A., Yan X. and Yang J. 2019. Using reed to clean strontium and barium contaminated solutions, Fresenius Environmental Bulletin and Advances in Food Sciences, 28:3270-3275.

10) Guo J., Yang J., Yang J*., Chen T. and **Guo L.**, 2019. Subcellular cadmium distribution and antioxidant enzymatic activities in the leaves of four *Hylotelephium spectable* population exhibit differences in phytoremediation potential, International Journal of Phytoremediation, 21(3):209-216.

11) Crafton E, Pritchard, C., **Guo L**., Senko J.M. and Cutright T. J.*, 2019. Dynamics of Mn removal in an acid mine drainage treatment system over 13 years after installation, Environmental Earth Sciences, 78(1):10-38.

12) **Guo L.*** and Cutright T. J., Comparison of metal accumulation in reeds cultured in acid mine drainage solutions and soils; Soil and Sediment Contamination An International Journal, DOI: https://doi.org/10.1080/15320383.2019.1647128, 2019.

13) Wang, S., Zhao, D., Zeng, J. Xu H, Huang R, Jiao C and Guo L.Variations of bacterial community during the decomposition of Microcystis under different temperatures and biomass. BMC Microbiol 19, 207 (2019) doi:10.1186/s12866-019-1585-5

14) Zhang X, He R, Su R, Zeng J*, Zhou Q , Huang R, Zhao D, **Guo L**, He F, Yu Z, The composition and co-occurrence network of the rhizosphere bacterial community of two emergent macrophytes and its implications for phytoremediation, Marine and Freshwater Research. 72(7) 1053-1064, 2021.

15) Hu S, He R, Zeng J*, Zhao, D, Huang, R, **Guo L**, Yu Z, Plant Genotype Influences the Composition and Co-occurrence Patterns of Rhizosphere Bacterial Communities of Phragmites australis, Aquatic Ecology. DOI:10.1007/s10452-021-09855-4, 2021.

16) Mcelrath E and **Guo L*,** The potential of *Croton lindheimeri* to sequester different metals from different mediums: uptake essential element Fe from soils or sequester toxic metal Sr from solutions, International Journal of Phytoremediation. 2021. doi.org/10.1080/15226514.2021.2025202