

## Lin Guo

Associate Professor of Environmental Science  
Department of Biological and Environmental Sciences  
Texas A&M University-Commerce  
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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) **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.
- 9) 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 spectabile* population exhibit differences in phytoremediation potential, *International Journal of Phytoremediation*, 21(3):209-216.
- 10) 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.
- 11) **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.
- 12) 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
- 13) 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.
- 14) 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

**E. Funded Grants**

- 1) Texas A&M University-Commerce Start-Up Funding, 2014-2015
- 2) Faculty Research Enhancement Grant, Texas A&M University-Commerce, \$9,774, 2015
- 3) Faculty Development Grant, Texas A&M University-Commerce, \$700, June 2016
- 4) Faculty Development Grant, Texas A&M University-Commerce, \$500, June 2018
- 5) Planning for the Pride Grant, Texas A&M University-Commerce, \$1,000, May 2019
- 6) Proposal Submission Incentive funding, Texas A&M University-Commerce, \$1,500, 2019

**F. Awards**

- “Global Fellow”, Texas A&M University-Commerce, 2016
- “Junior Faculty Research Award”, Texas A&M University-Commerce, 2016
- “Scholarship for improve your online course workshop”, Texas A&M University-Commerce, 2016