CURRICULUM VITAE

Renxing Liang

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Positions and Employment

Postdoctoral Researcher February, 2017-Present
Department of Geoscience, Princeton University
(Advisor: Prof. Tullis Onstott)

Postdoctoral Research Associate January, 2016- January, 2017
Department of Microbiology and Plant Biology, University of Oklahoma
(Advisor: Prof. Joseph Suflita)

Education

Ph.D. in Microbiology December, 2015
University of Oklahoma, Norman, Ok, USA
M.Sc in Microbiology June, 2010
Central South University, Hunan, China
B.Sc in Biological Science June, 2007
Hunan University of Science and Technology, Hunan, China

Awards

- **George L. and Cleo Cross Scholarship**, University of Oklahoma, 2013
- **Best Student Poster Award**, **Ninth International Symposium on Subsurface Microbiology**, 2014, Pacific Grove, CA, USA

Memberships

- American Society of Microbiology
- International Society for Subsurface Microbiology

Peer Reviewed Publications

1. **Liang, R.,** Aktas, D. F., Aydin, E., Bonifay, V., Sunner, J., & Suflita, J. M. (2016). Anaerobic biodegradation of alternative fuels and associated biocorrosion of carbon steel in marine environments. *Environmental Science & Technology*, 50(9), 4844-4853.
2. **Liang, R.,** Davidova, I.A., Marks, C.R., Stamps, B.W., Harriman, B.H., Stevenson, B.S., Duncan, K.E. and Suflita, J.M. (2016). Metabolic capability of a

predominant *halanaerobium* sp. in hydraulically fractured gas wells and its implication in pipeline corrosion. ***Frontiers in Microbiology*, 7, 988.**

3. **Liang, R.,** Harvey, B. G., Quintana, R. L., & Suflita, J. M. (2015). Assessing the biological stability of a terpene-based advanced biofuel and its relationship to the corrosion of carbon steel. ***Energy & Fuels*,** 29(8), 5164-5170.
4. **Liang, R.,** Grizzle, R. S., Duncan, K. E., McInerney, M. J., & Suflita, J. M. (2014). Roles of thermophilic thiosulfate-reducing bacteria and methanogenic archaea in the biocorrosion of oil pipelines. ***Frontiers in microbiology***, 5.
5. **Liang, R.,** Wu, X., Dai, Q., Jin, D., & Wang, Y. (2010). Genetic diversity of phthalic acid esters-degrading bacteria isolated from different geographical regions of China. ***Antonie van Leeuwenhoek,*** 97(1), 79-89.
6. Wu, X., **Liang, R.,** Dai, Q., Jin, D., Wang, Y., & Chao, W. (2010). Complete degradation of di-n-octyl phthalate by biochemical cooperation between *Gordonia* sp. strain JDC-2 and *Arthrobacter* sp. strain JDC-32 isolated from activated sludge. ***Journal of hazardous materials,*** 176(1), 262-268.
7. Jin, D. C., **Liang, R.** X., Dai, Q. Y., Zhang, R. Y., Wu, X. L., & Chao, W. L. (2010). Biodegradation of di-n-butyl phthalate by *Rhodococcus* sp. JDC-11 and molecular detection of 3, 4-phthalate dioxygenase gene. **J. Microbiol. Biotechnol,** 20(10), 1440-1445.
8. Wu, X., Wang, Y., **Liang, R.,** Dai, Q., Jin, D., & Chao, W. (2011). Biodegradation of an endocrine-disrupting chemical di-n-butyl phthalate by newly isolated Agrobacterium sp. and the biochemical pathway. **Process Biochemistry, 46(5), 1090-1094.**
9. Wu, X. L., Wang, Y. Y., **Liang, R.** X., Dai, Q. Y., & Chao, W. L. (2010). Degradation of di-n-butyl phthalate by newly isolated *Ochrobactrum* sp. ***Bulletin of environmental contamination and toxicology***, 85(3), 235-237.
10. Wu, X., Wang, Y., Dai, Q., Liang, R., & Jin, D. (2011). Isolation and characterization of four di-n-butyl phthalate (DBP)-degrading *Gordonia* sp. strains and cloning the 3, 4-phthalate dioxygenase gene. ***World Journal of Microbiology and Biotechnology***, 27(11), 2611-2617.

Book Chapter

Liang, R., & Suflita, J. M. (2015). Protocol for evaluating the biological stability of fuel formulations and their relationship to carbon steel biocorrosion. ***Handbook of Hydrocarbon and Lipid Microbiology*.** , Springer Protocol

Conference Presentations:

Renxing Liang, Deniz F. Aktas, Egemen Aydin, Vincent Bonifay, Jan Sunner, Joseph M. Suflita. Are New Biofuel Formulations Really Green? Gordon Research Conference on Applied & Environmental Microbiology, 2015, July11-17, Mount Holyoke College, MA, USA

Renxing Liang, Irene A. Davidova, Christopher R. Marks, Blake W. Stamps, Bradley

S. Stevenson, Kathleen E. Duncan, Joseph M. Suflita. Isolation of a Halophilic Bacterium from a Hydraulically Fractured Shale and its Role in Pipeline Corrosion. Ninth International Symposium on Subsurface Microbiology, Octber 5-10, 2014, Pacific Grove, CA, USA.

Renxing Liang, Robert S. Grizzle, Kathleen E. Duncan, Michael J. McInerney, Joseph M. Suflita. Role of thermophilic thiosulfate-reducing bacteria and methanogenic archaea in the biocorrosion of oil pipelines. ISMOS-4, 4th International Symposium on Applied Microbiology and Molecular Biology, August 25-28th, 2013 ISMOS-4 at Rio de Janeiro. (Oral presentation)

Renxing Liang, Brian Harriman and Joseph M. Suflita**.** Assessing the Efficacy of Biocides Against a Halophilic *Halanaerobium* under Fermentative and Thiosulfate-reducing Conditions. November 4-5, OU Biocorrosion Center Meeting, 2014, Norman, OK, USA.