

Noha H. Youssef, Ph.D.

Department of Microbiology and Molecular Genetics
Department of Arts and Sciences
Oklahoma State University

Contact Information:

Office: OSU Labs at Venture I 1110 South Innovation Way Drive, Oklahoma State University, Stillwater, OK 74074

Office: 405-744-1192

Lab: 405-744-3193

Fax: 405-744-1112

E-mail: noha@okstate.edu

Website: <http://youssef.okstate.edu/>

Education:

1995-2000: B.S., Pharmacy, Faculty of Pharmacy, Ain Shams University, Egypt

2002-present: Ph.D., Department of Botany and Microbiology, University of Oklahoma, OK

Academic Appointments:

1999-2000: Glaxo-Wellcome Production Facility, Trainee Quality Control Department, Egypt

2000-2002: Teaching Assistant, Faculty of Pharmacy, Biochemistry Department, Ain Shams University, Biochemistry Department, Egypt

2001-2002: May Pharmacy Pharmacist

2002-2006: Research assistant, Botany and Microbiology Department, University of Oklahoma, OK

2007-present: Post-doctoral fellow, Department of Microbiology and Molecular Genetics, Oklahoma State University, OK

Awards and Honors:

2004: Cross scholarship offered by the department of Botany and Microbiology, University of Oklahoma, OK

2004: IPEC conference award for the best poster offered in the eleventh annual IPEC meeting held in Albuquerque, NM

2005: IPEC conference award for the second best poster offered in the twelfth annual IPEC meeting held in Houston, TX

Research Support:

Selected Publications:

1. Youssef, N., K. E. Duncan, D. Nagle, K. N. Savage, R. Knapp, and M. J. McInerney. 2004. Comparison of methods to detect biosurfactant production by diverse microorganisms. *J. Microbiol. Methods* 56:339-347.
2. Youssef, N., K. E. Duncan, and M. J. McInerney. 2004. Importance of the 3-hydroxy fatty acid composition of lipopeptides for biosurfactant activity. *Appl. Environ. Microbiol.* 71(12):7690-7695.

3. Youssef, N., D. R. Simpson, K. E. Duncan, M. J. McInerney, M. Folmsbee, T. Fincher, and R. M. Knapp. 2007. In-situ biosurfactant production by injected *Bacillus* strains in a limestone petroleum reservoir. *Appl. Environ. Microbiol.* 73: 1239-1247.
4. Youssef, N., Nguyen, T., Sabatini, D. A., and McInerney, M. J. 2007. Basis for formulating biosurfactant mixtures to achieve ultra low interfacial tension values against hydrocarbons. *J. Ind. Microbiol. Biotechnol.* 34: 497-507.
5. Nguyen, T., Youssef, N., McInerney, M. J., and Sabatini, D. 2007. Rhamnolipid biosurfactant mixtures for environmental remediation. *Water Res.* doi:10.1016/j.watres .2007.10.038.
6. Elshahed, M. S., Youssef, N. H., Luo Q.W., Najar, F. Z., Roe, B. A., Sisk, T. A., Bühring, S. I., Hinrichs, K.-U., and Krumholz, L. R. 2007. Phylogenetic and metabolic diversity of the phylum Planctomycetes from an anaerobic, sulfide and sulfur-rich spring (Zodletone Spring, OK, USA). *Appl. Environ. Microbiol.* 73: 4707-4716.
7. Youssef, N. H., and Elshahed, M. S. 2008. Species richness in soil bacterial communities: a proposed approach to overcome sample size bias. *J. Microbiol. Methods.* Accepted.
8. Elshahed, M. S., Youssef, N. H., Spain, A. S., Sheik, C., Najar, F. Z., Sukharnikov, L., Roe, B. A., Davis, J. P., Schloss, P., Bailey, V. L., and Krumholz, L. R. 2008. Novelty and Uniqueness Patterns of Rare Members of the Soil Biosphere. *Appl. Environ. Microbiol.* 74:5422-5428.
9. McInerney, M. J., Youssef, N. H., and Nagle, D. P. 2009. Lipopeptide surfactants and Their Use in Oil Recovery. In "Bio-based surfactants and detergents" published by American Oil Chemists Society. In press.
10. Youssef, N. H., Elshahed, M. S., and McInerney, M. J. 2009. Microbial Processes in Oil Fields: Culprits, Problems, and Opportunities. In Laskin A. I., Sariaslani, S. and Gadd, G. M., editors: *Adv. Appl. Microbiol.* 66: 141-251. Burlington: Academic Press.
11. Youssef, N. H., and Elshahed, M. S. 2009. Diversity rankings among bacterial lineages in soil. *ISME j.* 3: 305-313.