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EDUCATION

Ph.D.	Chemical Engineering	1985	The University of Tulsa
M.S.E.	Chemical Engineering	1980	The University of Tulsa
M.S.	Biochemistry	1974	University of Oklahoma
B.S.	Chemistry	1971	University of Arkansas

RECENT EMPLOYMENT HISTORY

1/05-present	Professor, Department of Geosciences
1/95-present	Sarkeys Professor of Environmental Engineering, The University of Tulsa Director, Integrated Petroleum Environmental Consortium (IPEC)
4/93-present	Professor, Department of Chemical Engineering, The University of Tulsa
3/89-present	Director, Center for Environmental Research and Technology, The University of Tulsa
3/89-4/93	Associate Professor, Chemical Engineering Department, The University of Tulsa
6/88-3/89	Assistant Director, Center for Environmental Research and Technology, The University of Tulsa
1/86-3/89	Assistant Professor, Chemical Engineering Department, The University of Tulsa
8/80-1/86	Combustion Engineering, Natco Division, Tulsa, OK, Research and Development, Crude-Oil Dehydration, Desalting, and Biotechnology

RESEARCH INTERESTS

Microbial ecology of contaminated aquifers; remediation of groundwater impacted by petroleum hydrocarbons, fuel oxygenates, and chlorinated hydrocarbons; bioremediation of petroleum hydrocarbons in soil; remediation of brine-impacted soil, ecological indicators of soil ecosystem restoration

SELECTED RECENT PUBLICATIONS

Jenneman, G.E., Webb, R.H., Holle, E., Sublette, K.L., Mehta, C., Peacock, A. D., and Davis, G., "Evaluation of an On-Line Biofilm Detector and Bio-Traps for Monitoring MIC in Produced Oilfield Brine", Paper # 04758,04-TEG-286X, Symposium NACE International's Annual Conference, CORROSION/2004 New Orleans (2004)

Peacock, A.D., Chang, Y-J, Istok, J. D., Krumholz, L., Geyer, R., Kinsall, B., Watson, D., Sublette, K.L., and D.C. White, "Utilization of Microbial Biofilms as Monitors of Bioremediation", *Microbial Ecology*, 47, 284-292 (2004)

Geyer, R., Peacock, A.D., Miltner, A., Richnow, H.-H., White, D.C., Sublette, K.L., and Kästner, M. "In Situ Assessment of Microbial Activity Using Microcosms Loaded with ¹³C-Labeled Benzene or Toluene", *Environmental Science and Technology*, 39, 4983-4989 (2005)

Harris, T.M., Tapp, J.B., and Sublette, K.L., "Remediation of Oilfield Brine-impacted Soil Using a Subsurface Drainage System", *Environmental Geosciences*, 12, 101-113 (2005)

Moralwar, A., Sublette, K.L., Ford, L.P., Duncan, K., Thoma, G., and Brokaw, J., "Remediation of a Spill of Crude Oil and Brine Without Gypsum", *Environmental Geosciences*, 12, 115-125 (2005)

Fisher, J.B. and Sublette, K.L., "Environmental Releases from E&P Operations in Oklahoma: Type, Volume, Causes and Prevention", *Environmental Geosciences*, 12, 89-99 (2005)

Chang, Y-J, Long, P.E., Geyer, R., Peacock, A.D., Resch, C.T., Sublette, K.L., Pfiffner, S., Smithgail, A., Anderson, R.T., Vrionis, H.A., Stephen, J.R., Dayvault, R., Ortiz-Bernad, I., Lovley, D.R., and White D.C., "Microbial Incorporation of ¹³C-Labeled Acetate at the Field Scale: Detection of Microbes Responsible for Reduction of U(VI)", *Environmental Science & Technology*, 39 (23), 9039-9048 (2005)

Sublette, K.L., Peacock, A., White, D.C., Davis, G., Ogles, D., Cook, D., Kolhatkar, R., Beckmann, D., and Yang, X., "Monitoring Subsurface Microbial Ecology in a Sulfate-Amended, Gasoline-Contaminated Aquifer", *Ground Water Monitoring & Remediation*, 26 (2), 1-9 (2006)

Busch-Harris, J., Jennings, E., Sublette, K.L., Roberts, K.P., White, D.C., Peacock, A., Davis, G., Ogles, D., Holmes, W.E., Yang, X., Kolhatkar, A., Beckmann, D., and Kolhatkar, R., "Monitoring Subsurface Microbial Ecology and Demonstrating *In Situ* Biodegradation Potential Using Bio-Sep[®] Bio-Traps", *Ecological Chemistry and Engineering*, 13 (5), 349-372 (2006)

Biggerstaff, J.P., Le Puil, M., Weidow, B.L., Leblanc-Gridley, J., Jennings, E., Busch-Harris, J., Sublette, K.L., White, D.C., and Alberte, R.S., "A Novel and *In Situ* Technique for the Quantitative Detection of MTBE and Benzene Degrading Bacteria in Contaminated Matrices", *Journal of Microbiological Methods*, 68 (2), 437-441 (2007)

Sublette, K.L., Tapp, J.B., Fisher, J.B., Jennings, E., Duncan, K., Thoma, G., Brokaw, J., and Todd, T., "Lessons Learned in Remediation and Restoration in the Oklahoma Prairie: A Review", *Applied Geochemistry*, 22, 2225-2239 (2007)

McInerney, M.J., Voordown, G., Jenneman, G. E., and Sublette, K. L., "Oil Field Microbiology", in Manual of Environmental Microbiology, (C.J. Hurst, G.R. Knudsen, M.J. McInerney, L.D. Stetzenbach, and M.V. Walter, Editors), ASM, Washington, D.C. (2007)

Sublette, K., Jennings, E., Mehta, C., Duncan, K., Brokaw, J., Todd, T., and Thoma, G., "Monitoring Soil Ecosystem Recovery Following Bioremediation of a Terrestrial Crude Oil Spill With and Without a Fertilizer Amendment", *Soil & Sediment Contamination: an International Journal*, 16 (2), 181-208 (2007)

Dhritiman, G., Krishnakali, R., Williamson, K.E., White, D.C., Wommack, K.E., Sublette, K.L., and Radosevich, M., "Lysogeny is Prevalent Among Soil Bacteriophages and the Bacterial 16S rRNA and trzN Gene Are Present in the DNA of Mitomycin C-Inducible Prophage", *Applied & Environmental Microbiology*, 74 (2), 495-502 (2008)

Sublette, K.L., Busch-Harris, J., Roberts, K., Landrum, C., Peacock, A., Davis, G., Ogles, D., Holmes, W., Ota, C., and Yang, X., "Subsurface Microbial Ecology and Stable Isotope Probing Demonstrate the *In Situ* Biodegradation Potential of MTBE and TBA in a Gasoline-Contaminated Aquifer", *Ground Water Monitoring & Remediation*, In Press (2008)

Davis, G., Baldwin, B.R., Peacock, A.D. Ogles, D., White, G.M., Boyle, S.L., Raes, E., Koenigsberg, S.S., and Sublette, K.L., "Integrated Approach to PCE-Impacted Site Characterization, Site Management, and Enhanced Bioremediation", *Remediation*, Autumn, 5-17 (2008)

Ghosh, D., Krishnakali, R., Srinivasan, V., Mueller, T., Tuovinen, O.H., Sublette, K.L., Peacock, A., and Radosevich, M., "*In Situ* Enrichment & Analysis of Atrazine-degrading Microbial Communities Using Atrazine-containing Porous Beads", *Soil Biology & Biochemistry*, (Submitted)

Total Refereed Papers: 108

Patents: 13

HONORS AND AWARDS

- Appointed by Governor Henry Bellmon to the Oklahoma Environmental Concerns Council, October, 1988
- Award from Public Service Co. of Oklahoma as recognition of activities of SAVE OKLAHOMA STREAMS (SOS), 1991
- College of Engineering & Applied Sciences Junior Faculty Research Award, 1991
- DuPont Environmental Award, \$25,000 unrestricted grant, 1994
- Sarkeys Professor of Environmental Engineering, 1995
- Fellow, National Energy-Environment Law and Policy Institute, 1995
- R.N. Maddox Distinguished Lecturer, University of Arkansas, 1997
- Appointed by Governor Frank Keating to the IOGCC Environment, Health & Safety Committee, 1998
- Stewardship Award, Oklahoma Chapter of The Nature Conservancy, 2000
- Appointed by the Oklahoma Speaker of the House to CLEER, an advisory board to The Energy Council, 2001
- American Association of Petroleum Geologists' Division of Environmental Geosciences Teaching Award, 2005
- Appointed by Governor Brad Henry to the Oklahoma Environmental Quality Board, 2006