

CURRICULUM VITAE

NAME

Sommers, Lee E

ADDRESS

Shepardson

PHONE

(970) 491-1421

EDUCATION

1971 Ph D, U OF WISCONSIN

1969 MS, U OF WISCONSIN

1966 BS, WISCONSIN STATE

ACADEMIC POSITIONS

July 1, 2015 - Present Director Emeritus and Special Assistant to the Dean, Colorado State University.

June 1, 1996 - July 31, 2013 Director, Colorado State University.

August 15, 1985 - May 31, 1996 Professor and Department Head, Colorado State University.

September 1, 1970 - August 15, 1985 Professor, Purdue University.

SABBATICALS

(1977) Colorado State University, Conducted soil chemistry research with Dr. W. L Lindsay.

(1994) United States Department of Agriculture, Assisted with soil science and water resources research programs in the Cooperative States Research, Education, and Extension Service.

OTHER POSITIONS

(July 1, 2006 - July 31, 2013) Associate Dean, College

(June 1, 1996 - July 31, 2013) Director, University

(June 1, 2008 - July 1, 2009) Dean, College

(February 1, 2000 - May 1, 2001) Dean, College

(August 15, 1985 - May 31, 1996) Department Chairperson, Department

PUBLISHED WORKS

Books

Sommers, L. E. (1991). *Optimum Use of Sewage Sludge on Agricultural Land: Report*. Agricultural Experiment Station at Colorado State University.

Non-Refereed Journal Articles

- Olsen, SR, Sommers, L. (1996). Nitrogen-total. *Methods of soil analysis. Part, 2*, 643–710.
- Nelson, D. W., Sommers, L. E., others (1996). Total carbon, organic carbon, and organic matter. *Methods of soil analysis. Part, 3(3)*, 961–1010.
- Lerch, R., Barbarick, K., Azari, P., Sommers, L., Westfall, D. (1993). Sewage sludge proteins: I. Extraction methodology. *Journal of environmental quality*, 22(3), 620–624.
- Levy, D., Barbarick, K., Siemer, E., Sommers, L. (1992). Distribution and partitioning of trace metals in contaminated soils near Leadville, Colorado. *Journal of Environmental Quality*, 21(2), 185–195.
- Lerch, R., Barbarick, K., Sommers, L., Westfall, D. (1992). Sewage sludge proteins as labile carbon and nitrogen sources. *Soil Science Society of America Journal*, 56(5), 1470–1476.
- Boyd, S. A., Sommers, L. E. (1990). Humic and fulvic acid fractions from sewage sludges and sludge-amended soils. *Humic substances in soil and crop sciences: Selected readings(humic substances)*, 203–220.
- Beyrouthy, C., Sommers, L., Nelson, D. (1988). Ammonia volatilization from surface-applied urea as affected by several phosphoroamide compounds. *Soil Science Society of America Journal*, 52(4), 1173–1178.
- Beyrouthy, C. A., NELSON, D. W., Sommers, L. E. (1988). EFFECTIVENESS OF PHOSPHOROAMIDES IN RETARDING HYDROLYSIS OF UREA SURFACE-APPLIED TO SOILS WITH VARIOUS pH AND RESIDUE COVER1. *Soil Science*, 145(5), 345–352.
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- Schlegel, A., Nelson, D., Sommers, L. (1987). Use of urease inhibitors and urea fertilizers on winter wheat. *Fertilizer research*, 11(2), 97–111.
- Sims, G. K., Sommers, L. E. (1986). Biodegradation of pyridine derivatives in soil suspensions. *Environmental toxicology and chemistry*, 5(6), 503–509.
- Mullins, G., Sommers, L. (1986). Cadmium and zinc influx characteristics by intact corn (*Zea mays* L.) seedlings. *Plant and soil*, 96(2), 153–164.
- Mullins, G., Sommers, L. (1986). Characterization of cadmium and zinc in four soils treated with sewage sludge. *Journal of environmental quality*, 15(4), 382–387.
- Page, A. L., Miller, R. H., Keeney, D. R. (1986). Chemical and microbiological properties. *Madison*.
- Sommers, L. E., Barbarick, K. A. (1986). Constraints to land application of sewage sludge. *Utilization, Treatment, and Disposal of Waste on Land(utilizationtrea)*, 193–216.
- Graveel, J. G., Sommers, L. E., Nelson, D. W. (1986). Decomposition of benzidine, α -naphthylamine, and p-toluidine in soils. *Journal of environmental quality*, 15(1), 53–59.
- Sims, G. K., Sommers, L. E., Konopka, A. (1986). Degradation of pyridine by *Micrococcus luteus* isolated from soil. *Applied and environmental microbiology*, 51(5), 963–968.
- Coody, P. N., Sommers, L. E., Nelson, D. W. (1986). Effects of a glucose-imposed oxygen demand on land treatment systems. *Journal of environmental quality*, 15(1), 16–20.

- Schlegel, A., Nelson, D., Sommers, L. (1986). Field evaluation of urease inhibitors for corn production. *Agronomy Journal*, 78(6), 1007–1012.
- Coody, P. N., Sommers, L. E., Nelson, D. W. (1986). Kinetics of glucose uptake by soil microorganisms. *Soil Biology and Biochemistry*, 18(3), 283–289.
- Mullins, G., Sommers, L., Housley, T. (1986). Metal speciation in xylem and phloem exudates. *Plant and Soil*, 96(3), 377–391.
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- Beyrouthy, C. A., Nelson, D. W., Sommers, L. E. (1986). Transformations and losses of fertilizer nitrogen on no-till and conventional till soils. *Fertilizer research*, 10(2), 135–146.
- Sposito, G., Sommers, L. E. (1985). Chemical models of inorganic pollutants in soils. *Critical Reviews in Environmental Science and Technology*, 15(1), 1–24.
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- Dorich, R., Nelson, D., Sommers, L. (1985). Estimating algal available phosphorus in suspended sediments by chemical extraction. *Journal of Environmental Quality*, 14(3), 400–405.
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- Dorich, R., Nelson, D., Sommers, L. (1984). Availability of phosphorus to algae from eroded soil fractions. *Agriculture, ecosystems & environment*, 11(3), 253–264.
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- Sommers, L. E., Giordano, P. M. (1984). Use of nitrogen from agricultural, industrial, and municipal wastes. *Nitrogen in Crop Production(nitrogenincropp)*, 207–220.

- Kirleis, A. W., Sommers, L., Nelson, D. W. (1984). Yield, heavy metal content, and mill, ing and baking properties of soft red winter wheat grown on soils amended with sewage sludge. *Cereal Chem*, 61(6), 518–522.
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- Olsen, SR, Sommers, L., Page, A. (1982). Methods of soil analysis. Part 2. *Agron. Monogr*, 9, 403–430.
- Olsen, SR, Sommers, L. (1982). PhUSphorus. *Page, AL. er al.(eds) Methods of Soil Analyses: Part, 2*, 403430.
- Nelson, D., Sommers, L. (1982). Total carbon, organic carbon, and organic matter. *Methods of soil analysis. Part 2. Chemical and microbiological properties(methodsofsoilan2)*, 539–579.
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- Sommers, L., Nelson, D. (1981). Monitoring the response of soils and crops to sludge applications. *Sludge and its ultimate disposal*.
- Terry, R., Nelson, D., Sommers, L. (1981). Nitrogen Transformations in Sewage Sludge—Amended Soils as Affected by Soil Environmental Factors. *Soil Science Society of America Journal*, 45(3), 506–513.
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- Boyd, S., Sommers, L., Nelson, D. (1979). Infrared spectra of sewage sludge fractions: Evidence for an amide metal binding site. *Soil Science Society of America Journal*, 43(5), 893–899.
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- Sommers, L., Nelson, D., Owens, L. (1979). STATUS OF INORGANIC PHOSPHORUS IN SOILS IRRIGATED WITH MUNICIPAL WASTEWATER1. *Soil Science*, 127(6), 340–350.
- Sommers, L., Nelson, D., Silviera, D. (1979). Transformations of carbon, nitrogen, and metals in soils treated with waste materials. *Journal of Environmental Quality*, 8(3), 287–294.
- Terry, R., Nelson, D., Sommers, L., Meyer, G. (1978). Ammonia volatilization from wastewater sludge applied to soils. *Journal (Water Pollution Control Federation)*, 2657–2665.
- Sommers, L. (1977). Chemical composition of sewage sludges and analysis of their potential use as fertilizers. *Journal of Environmental Quality*, 6(2), 225–232.
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- Sommers, L., Tabatabai, M., Nelson, D. (1977). Forms of sulfur in sewage sludge. *Journal of environmental quality*, 6(1), 42–46.
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- Sommers, L., Curtis, E. (1977). Wet air oxidation: effect on sludge composition. *Journal (Water Pollution Control Federation)*, 2219–2225.
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- Sommers, L., Nelson, D. (1972). Determination of total phosphorus in soils: a rapid perchloric acid digestion procedure. *Soil Science Society of America Journal*, 36(6), 902–904.
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- Sommers, L., Harris, R., Williams, J., Armstrong, D., Syers, J. (1970). DETERMINATION OF TOTAL ORGANIC PHOSPHORUS IN LAKE SEDIMENTS¹. *Limnology and Oceanography*, 15(2), 301–303.
- Sommers, L., Harris, R., Dalton, F., Gardner, W., others (1970). Water potential relations of three root-infecting *Phytophthora* species. *Phytopathology*, 60(6), 932–934.
- Harris, R., Sommers, L. (1968). Plate-dilution frequency technique for assay of microbial ecology. *Applied microbiology*, 16(2), 330–334.
- Sommers, L., Harris, R. (1968). Routine preparation of silica gel media using silicate solutions of varying pH. *Journal of bacteriology*, 95(3), 1174.

Non-Refereed Chapters in Books

- Sommers, L. E., Nelson, D. W., Kirleis, A. W., Strachan, S., Inman, J., Boyd, S., Graveel, J., Behel, A., others (1984). Characterization of sewage sludge and sewage sludge; soil systems. *Characterization of sewage sludge and sewage sludge; soil systems*. EPA.
- Page, A. L., Gleason, T., Smith, J., Iskandar, I., Sommers, L., others (1983). Utilization of municipal wastewater

and sludge on land. *Utilization of municipal wastewater and sludge on land*. University of California.

Sommers, L., Gilmour, C., Wildung, R., Beck, S. (1981). The effect of water potential on decomposition processes in soils. *Water potential relations in soil microbiology* (vol. 9, pp. 97–117). Soil Science Society of America Madison.

Sommers, L., Nelson, D. (1978). A model for application of sewage sludge on cropland. *Proceedings of the First Annual Conference of Applied Research and Practice on Municipal and Industrial Waste* (pp. 307–326).

Nelson, D., Sommers, L., Huber, D., Warren, H., Locheretz, W. (1977). Conserving energy with nitrification inhibitors. *Agriculture and Energy* (pp. 161–176). Academic Press New York.

Technical Report

Olsen, SR (1982). *Phosphorus*.—p. 403-430.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

American Society of Agronomy. (1967 - Present).

Soil Science Society of American. (1967 - Present).
