

April L. Ulery - LIST OF PUBLICATIONS (as of November 2020)

Book

Ulery, A.L. and L.R. Drees (Editors). 2008. Methods of Soil Analysis – Mineralogical Methods. Soil Science Society of America Book Series No. 5. Madison, WI.

Peer-Reviewed Journal Articles

65. Jha, G., S. Mukhopadhyay, **A.L. Ulery**, K. Lombard, S. Chakraborty, D.C. Weindorf, D. VanLeeuwen, C. Brungard. 2021. Agricultural Soils of the Animas River Watershed after the Gold King Mine Spill: An Elemental Spatiotemporal Analysis via Portable X-ray Fluorescence Spectroscopy. *J. Env. Qual.* (*in revision*)
64. Brevik, E., **A. Ulery**, and A. Smith Muise. Pivoting to online laboratories due to COVID-19 using the “Science of Agriculture” digital tools: A case study. 2021. *Natural Sciences Education* (*accepted Jan 2021*).
63. Rucker, D., C.H. Tsai, K.C. Carroll, **A. Ulery**, and E. Pierce. Bedrock Architecture, Soil Texture, and Hyporheic Zone Characterization Combining Electrical Resistivity and Induced Polarization Imaging. *Journal of Applied Geophysics.* (*in revision*).
62. Chaganti, V.S., Ganjegunte, G., G. Niu, **A. Ulery**, R. Flynn, J. Enciso, N. Meki, J. Kiniry. 2021. Response of soil organic carbon and emerging soil health indicators to treated wastewater irrigation in bioenergy sorghum production on an arid soil. *Land Degradation & Development.* <https://doi.org/10.1002/ldr.3888>
61. Mohamed, R.A., K.C. Carroll, S.C. Brooks, C-H. Tsai, T. Ahmed, D.F. Rucker, **A.L. Ulery**, E.M. Pierce. Geostatistical study of streambed hydrologic attributes including censored data and anisotropy. Submitted to *J. Hydrology* (*in revision*).
60. Brevik, E., H. Dolliver, S. Edinger-Marshall, D. Itkin, J. Johnson-Maynard, G. Liles, M. Mbila, C. Moorberg, Y. Sanchez De Leon, J.J. Steffan, **A. Ulery**, K. Vaughan. 2020. Undergraduate degrees that train students for soil science careers at universities in the USA and its territories. *Soil Science Society of America Journal*, 84:1797–1807. doi.org/10.1002/saj2.20140
59. Omer, M., O. Idowu, C. Brungard, **A. Ulery**, B. Adedokun, N. McMillan. 2020. Visible Near-Infrared Reflectance and Laser-Induced Breakdown Spectroscopies for Sensing Soil Quality in Arid and Semiarid Agroecosystems. *Soil Systems* 4:42. [doi.10.3390/soilsystems4030042](https://doi.org/10.3390/soilsystems4030042)
58. Matthews, A.N., S. Rogus, G. Jha, **A. Ulery**, E. Delgado, K. Lombard, B. Hunter, B. Francis. 2020. Heavy metal content of produce grown in San Juan County (New Mexico, USA). *Journal of Environmental Science and Health, Part B.* DOI: [10.1080/03601234.2020.1794220](https://doi.org/10.1080/03601234.2020.1794220)

57. **Ulery, A.**, A. Smith Muise, K.C, Carroll, B. Chamberlin, L. White, P. Martinez, L. Spears, J. Gleason. 2020. Impact of Multimedia Learning Tools in Agricultural Science Classes. *Natural Sciences Education*. 49:e20011. DOI: 10.1002/nse2.20011
56. Chaganti, V.S., Ganjegunte, G., G. Niu, **A. Ulery**, R. Flynn, J. Enciso, N. Meki, J. Kiniry. 2020. Effects of treated urban wastewater irrigation on bioenergy sorghum and soil quality. *Agricultural Water Management*. 228:105894. DOI: 10.1016/j.agwat.2019.105894
55. Omer, M., Idowu, O. J., **Ulery, A. L.**, VanLeeuwen, D., Guldan, S. J., Marsalis, M. A., Ghimire, R. 2020. Impacts of selected management practices on soil quality in an irrigated arid agroecosystem. *Journal of Soil and Water Conservation*. 75:143-152. doi:10.2489/jswc.75.2.143
54. Omer, M., O.J. Idowu, **A.L. Ulery**, D. Vanleeuwen, S.J. Guldan. 2018. Seasonal Changes of Soil Quality Indicators in Selected Arid Cropping Systems. *Agronomy* 8:124-136. doi:10.3390/agriculture8080124
53. Ganjegunte, G., **A. Ulery**, G. Niu, Y. Wu. 2018. Soil organic carbon balance and nutrients (NPK) availability under treated wastewater irrigation for bioenergy sorghum production in an arid ecosystem. *Archives of Agronomy and Soil Science* 65:345-359. doi.org/10.1080/03650340.2018.1503414
52. Ganjegunte, G., **A. Ulery**, G. Niu, Y. Wu. 2018. Treated Urban Wastewater Irrigation Effects on Bioenergy Sorghum Biomass, Quality and Soil Salinity in an Arid Environment. *Land Degradation & Development*. DOI: 10.1002/ldr.2883
51. Ganjegunte, G., **A. Ulery**, G. Niu, Y. Wu. 2017. Organic carbon, nutrient and salt dynamics in saline soil and in switchgrass irrigated with treated municipal wastewater. *Land Degradation & Development*. DOI: 10.1002/ldr.2841
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44. Barrick, B., R. Steiner, G. Picchioni, **A. Ulery** and J. Zhang. 2015. Salinity Responses of Selected Introgressed Cotton Lines Grown in Two Soils from Organic and Conventional Cotton Production. *The Journal of Cotton Science.* 19:268–278.
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38. Lombard, K.A., M. O'Neill, **A. Ulery**, J. Mexal, B. Onken, S. Forster-Cox, and Ted Sammis. 2011. Fly ash and composted biosolids as a source of Fe for hybrid poplar – a greenhouse study. Special Issue: Biosolids Soil Application: Agronomic and Environmental Implications. *Applied and Environmental Soil Science* 2011, doi:10.1155/2011/475185. <http://www.hindawi.com/journals/aess/2011/475185/>
37. Huez-López, M.A., **A.L. Ulery**, Z. Samani, G. Picchioni, R. P. Flynn. 2011. Response of Chile Pepper (*Capsicum Annuum L.*) to Salt Stress and Organic and

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32. Niu, G., D.S. Rodriguez, M. Wang, E. Call, P. Bosland, **A. Ulery**, and E. Acosta. 2010. Responses of eight chile peppers to saline water irrigation. Scientia Horticulturae. 126:215-222.
31. Lombard, K., M. O'Neill, R. Heyduck, B. Onken, **A. Ulery**, J. Mexal and A. Unc. 2011. Composted biosolids as a source of iron for hybrid poplars (*Populus sp*) grown in Northwest New Mexico. Agroforestry Systems. 81:45-56.
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29. Cabrera, V.E., L.J. Stavast, T.T. Baker, M.K. Wood, D.S. Cram, R.P. Flynn, and **A.L. Ulery**. 2009. Soil and runoff response to dairy manure application on New Mexico rangeland. Agriculture, Ecosystems and Environment. 131:255-262.
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18. Kurunc, A., R.P. Flynn, and **A.L. Ulery**. 2004. Dairy lagoon effluent effects on soil chemical properties, corn yield and nutrient uptake. Journal of Agronomy 3:219-222.
17. **Ulery, A.L.**, R. Flynn, and R. Parra. 2004. Dairy Wastewater Sample Preservation Using Sulfuric Acid. Environmental Monitoring and Assessment. 95:117-124.
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- Goss R.M., and **Ulery A.L.** Edaphology. Reference Module in Earth Systems and Environmental Sciences, Elsevier, 2013. <http://dx.doi.org/10.1016/B978-0-12-409548-9.05143-5>
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- Ulery, A.L.** Edaphology. 2005. *In: D. Hillel et al. (Eds.) Encyclopedia of Soils in the Environment*. Academic Press. London.
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- Schroeder, J., L. Murray, **A. Ulery**, C. Fiore, H. Nguyen, and X. Liu. 2011. Identification and Detection of Problem and Noxious Weeds on Irrigation Canals will lead to Effective Weed Management Programs and Increase Water for Irrigation: *Survey of the Vegetation and Soils of the Leasburg Canal System 2002-2006*. Agricultural Experiment Station, NMSU, Las Cruces, NM.
- Flynn, R.R. and **A.L. Ulery**. 2011. An Introduction to Soil Salinity and Sodium Issues in New Mexico. NMSU Cooperative Extension Service Circular 656. Las Cruces, NM.

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Book Reviews

Ulery, A.L., T. Jobe, and S. Nemmers. 2007. Review of “Managing Arsenic in the Environment – From Soil to Human Health”. Soil Science Society of America Journal 71:253.

Ulery, A.L. 2012. Review of “Handbook of Soil Sciences, Properties and Processes, 2nd Edition” Soil Science Society of America Journal 76:309.

Popular Press Articles (CSA News President’s Message)