

College of Agriculture and USU Extension
Faculty and Staff Activities and Achievements
January 2012

Articles

Campbell, M. A., Chain, P. S.G., Dang, H., El-Sheikh, A. F., Norton, J. M., Ward, N. L., Ward, B. B., Klotz, M. G. (2011). Nitrosococcus watsonii sp. nov., a new species of marine obligate ammonia-oxidizing bacteria that is not omnipresent in the world's oceans. Calls to validate the names "Nitrosococcus halophilus" and "Nitrosomonas mobilis.". *FEMS Microbiology Ecology*, 76(1), 39-48. <http://dx.doi.org/10.1111/j.1574-6941.2010.01027.x>

Heaton, K., McGinty, C., & Greenhalgh, L. (2011). Remote Sensing: Monitoring equipment and applications to western ranchers. *Western Beef Resource Committee Cattle Producers Library*. University of Idaho, Moscow, Idaho. (Book chapter accepted for publication)

Katie Brown, Heidi J. Wengreen, Tamara S. Vitale, Janet B. Anderson, Department of Nutrition Dietetics and Food Sciences, College of Agriculture, (2011). Increased self-efficacy for vegetable preparation following an online, skill-based intervention and in-class tasting experience as a part of a general education college nutrition course. *American Journal of Health Promotion*, 26, 14.

Suwa, Y., Norton, J. M., Bollmann, A., Klotz, M. G., Stein, L. Y., Laanbroek, H. J., Arp, DJ. (2011). Genome Sequence of Nitrosomonas sp. Strain AL212, an Ammonia-Oxidizing Bacterium Sensitive to High Levels of Ammonia. *Journal of Bacteriology/American Society Microbiology*, 193, 5047-5048.

X. Lin, S.B. Racette, M. Lefevre, L. Ma, C.A. Spearie, K. Steger-May, R.E. Ostlund. Department of Nutrition, Dietetics and Food Science, College of Agriculture, (2011) Combined effects of ezetimibe and phytosterols on cholesterol metabolism: A controlled feeding study. *Circulation*, 124, 596-60.

Articles, Chapters, Books with Graduate Co-Authors

Norton, J. M., Schimel, J. P. (2011). Chapter 27.2 Nitrogen Mineralization Immobilization Turnover, in Pan Ming Huang; Yuncong Li; Malcolm E. Sumner (Ed.), *Handbook of Soil Science*. (2nd ed.,) pp. 27.2 8-15. Boca Raton, FL: CRC Press.

Awards and Honors

Keith Christensen, Landscape Architecture and Environmental Planning, College of Agriculture, recognized as faculty advisor to Amanda Dunlap, awarded the American Society of Landscape Architects' Student Award of Excellence for Adams Elementary School Garden Based on Experiential Learning.

Kim Chapman, Utah State University Extension, Sevier County, Honorary Seedstock Producer of the Year Award, Utah Beef Improvement Association, December 2, 2011, for 15 years of contributions to improving the quality of seedstock and commercial cattle in the state of Utah.

Lou Mueller, Utah State University Extension, San Juan County, Family Violence Prevention Award, Utah Domestic Violence Council, October 17, 2011, for community service and programs on preventing dating violence and strengthening marriages and relationships.

Mary Sorenson, Utah State University Extension, Wayne County, "2011 Healthy Sprouts Award", The National Gardening Association, for programs reflecting the importance of health and nutrition in their garden programming while demonstrating the important role gardens play in the lives of students and the community.

Troy Cooper, Utah State University Extension, Duchesne County, Distinguished Service Award, National Association of Extension 4-H Agents, October 27, 2011.

Verl Bagley, Utah State University Extension, Wayne and Piute Counties, Cattlemen's Legacy Award, Utah Cattlemen's Association, December 2, 2011. This award is given to a cattle producer who has contributed significantly to the industry and is continuing the cattle legacy by passing it on to posterity.

Books

The Complete Carpet Python, A Comprehensive Guide to the Natural History, Care, and Breeding of the *Morelia spilota* Complex. Nick Mutton and Justin Julander. Publisher: ECO/Serpent's Tale NHBD, ISBN-10: 098327892X, 339 pp.

Contracts and Grants

Keith Christensen, Landscape Architecture and Environmental Planning, College of Agriculture; Anthony Chen, College of Engineering; Yong Seog Kim, Jon M. Huntsman School of Business; YangQuan Chen, College of Engineering awarded a \$594,486 research grant from the National Institute for Disability and Rehabilitation Research for the following proposal: "Experimental Research on Pedestrian and Evacuation Behaviors of Individuals with Disabilities; Theory Development Necessary to Characterize Individual-Based Models." October 2011

Presentations

Effective prophylactic and therapeutic treatment of yellow fever virus with an adenovirus vectored interferon, DEF201, in a hamster model. J. G. Julander, J. Ennis, J. D. Morrey, and J. Turner International Conference on Antiviral Research, Sofia, Bulgaria, April, 2011

Posters

Bo Yang, Department of Landscape Architecture and Environmental Planning, College of Agriculture, presentation *Urban Planning in Shenzhen 1978-2010: A Critical Review and Evaluation*, at the 2011 Association of Collegiate Schools of Planning Conference. Salt Lake City, Utah, October 13-16, 2011.

Carlos V. Licon, Department of Landscape Architecture and Environmental Planning, College of Agriculture, presented and submitted the final report of the sponsored project "Assessment of Sustainable Development Assessment along the U.S. - Mexico Border" to the Border Environment Cooperation Commission in Juarez, Mexico, November 17, 2011

Janette Kudin, NDFS, USU, opening speaker at the 15th Biennial USDA-FNS Mountain Plains Region State Agency Conference.

Lou Mueller, Utah State University Extension, San Juan County, "Five Keys to a Healthy Relationship", November 3, 2011. USU-Eastern Regional Domestic Violence Prevention Training for nursing students and professionals, including law enforcement, social services, and medical and mental health providers from the Four Corners region.

Lou Mueller, Utah State University Extension, San Juan County, "How to Write and Review for the *Journal of National Extension Association of Family and Consumer Sciences*", November 29, 2011, national webinar sponsored by NEAFCS.

Norton, J. M. (Presenter & Author), Habteselassie, M. Y., Xu, L., "Ammonia-Oxidizer Communities in an Agricultural Soil treated with Contrasting Nitrogen Sources.", International Conference on Nitrification-2 (ICON-2), Nitrification Network, National Science Foundation, Nijmegen, Netherlands. July 7, 2011 - July 9, 2011. Invited.

Norton, J. M. Stark, J. M., "New Players and Tools in Nitrification Research", ASA-CSSA-SSSA Annual Meetings, ASA-CSSA-SSSA, San Antonio. October 19, 2011.

Norton, J. M., Suwa, Y., Bollmann, A., Klotz, M. G., Stein, L. Y., Laanbroek, H. J., Arp, D. J., Goodwin, L. A., "Genome Sequencing of Nitrosomonas sp. AL212, An Ammonia-Oxidizing Bacterium Adapted for Growth at Low Ammonia Concentrations", DOE JGI User Meeting 2011 Genomics of Energy & Environment, DOE, Walnut Creek, California. March 22, 2011 – March 24, 2011. Invited,

Norton, J. M., Xu, L., Stark, J. M., "Nitrogen Cycling and Root-zone microbial communities in rangeland restoration plots", 3rd Annual Argonne Soil Metagenomics Workshop, DOE Argonne National Laboratory, Bloomingdale, Illinois. October 6, 2011.

Paul Hill, Utah State University Extension, Washington County, "The Dropbox Concept", November 2011, presented at Utah State 4-H Inservice Training.

Publications

Gowen, B.B., Bray, M. Progress in the experimental therapy of severe arenaviral infections. *Future Microbiol.* (2011) 6, 1429-41.

Gowen, B.B., Ennis, J., Russell, A., Sefing, E.J., Wong, M.H., Turner, J. Use of recombinant adenovirus vectored 1 consensus IFN- α to avert severe arenavirus infection. *PLoS ONE* (2011) 6, e26072.

Immune correlates of protection against yellow fever determined by passive immunization and challenge in the hamster model. Julander JG, Trent DW, Monath TP. *Vaccine*. 2011 Aug 11;29(35):6008-16. Epub 2011 Jun 28.

Important advances in the field of anti-dengue virus research. Julander JG, Perry ST, Shrestha S. *Antivir Chem Chemother*. 2011;21(3):105-16. Review.

Keith Christensen, Landscape Architecture and Environmental Planning, College of Agriculture, contributing author for *Words on Play; A treatise on its value by leading play scholars*. PlayCore, Chattanooga, TN

Mendenhall, M., Russell, A., Smee, D.F., Hall, J.O., Skirpstunas, R., Furuta, Y., Gowen, B.B. Effective oral favipiravir (T-705) therapy initiated after the onset of clinical disease in a model of arenavirus hemorrhagic fever. *PLoS Negl. Trop. Dis.* (2011) 5, e1342.

Paul Hill, Utah State University Extension, Washington County, "Back Up, Share and Access Your Files from Anywhere, Anytime", Factsheet, Utah State University Extension.

Squalamine as a broad-spectrum systemic antiviral agent with therapeutic potential. Zasloff M, Adams AP, Beckerman B, Campbell A, Han Z, Luijten E, Meza I, Julander J, Mishra A, Qu W, Taylor JM, Weaver SC, Wong GC. *Proc Natl Acad Sci U S A.* 2011 Sep 20;108(38):15978-83. Epub 2011 Sep 19.

Treatment of yellow fever virus with an adenovirus-vectored interferon, DEF201, in a hamster model. Julander JG, Ennis J, Turner J, Morrey JD. *Antimicrob Agents Chemother.* 2011 May;55(5):2067-73. Epub 2011 Feb 7.

Use of plethysmography in assessing the efficacy of antivirals in a mouse model of pandemic influenza A virus. Julander JG, Hagloch J, Latimer S, Motter N, Dagley A, Barnard DL, Smee DF, Morrey JD. *Antiviral Res.* 2011 Nov;92(2):228-36. Epub 2011 Aug 17.