

Peer Reviewed Publications

L'Orange, C. A quantitative model of cookstove variability and field performance: Implications for sample size. *Biomass and Bioenergy* (2015)

Tryner, J, et al. The effects of fuel type and stove design on emissions and efficiency of natural-draft semi-gasifier biomass cookstoves. *Energy for Sustainable Development* 23 (2014)

Zube, D. J., M. DeFoort, and J. Agenbroad. "Heat transfer efficiency of biomass cookstoves: examining the effects of temperature, mass flow rate and firepower." *Boiling Point* 63 (2014)

Prapas, J., et al. Influence of chimneys on combustion characteristics of buoyantly driven biomass stoves. *Energy for Sustainable Development* 23 (2014)

Clark, M. Health and household air pollution from solid fuel use: the need for improved exposure assessment. *Environmental health perspectives* (2013)

Clark, M., et al. Impact of a cleaner-burning cookstove intervention on blood pressure in Nicaraguan women. *Indoor air* 23.2 (2013)

Hawley, B, Volckens, J. Proinflammatory effects of cookstove emissions on human bronchial epithelial cells. *Indoor air* 23.1 (2013)

L'Orange, C. Influence of testing parameters on biomass stove performance and development of an improved testing protocol. *Energy for Sustainable Development* (2012)

Agenbroad, J. et al A simplified model for understanding natural convection driven biomass cooking stoves--Part 1: Setup and baseline validation. *Energy for Sustainable Development* (2011)

Agenbroad, J. et al A simplified model for understanding natural convection driven biomass cooking stoves--Part 2: With cook piece operation and the dimensionless form. *Energy for Sustainable Development* (2011)

Clark, Maggie L., et al. Indoor air pollution, cookstove quality, and housing characteristics in two Honduran communities. *Environmental research* 110.1 (2010)

Thesis and Dissertations

Kodros, J. Uncertainties in global aerosols and climate effects due to biofuel emissions. Colorado State University. Fort Collins, CO (2015)

Dischino, K. Methods for Particulate Matter Emissions Reduction in Wood Burning Cookstoves. Master's Thesis. Colorado State University. Fort Collins, CO (2014)

Yoder, S. Impact of an Improved Stove Intervention on Exposure and Health Among Nicaraguan Women. Master's Thesis. Colorado State University. Fort Collins, CO (2014)

Prapas, J. Toward the understanding and optimization of chimneys for buoyantly driven biomass stoves. Colorado State University. PhD Dissertation. Colorado State University. Fort Collins, CO (2013)

L'Orange, C. The Development of Numerical Tools for Characterizing and Quantifying Biomass Cookstove Impact. PhD Dissertation. Colorado State University. Fort Collins, CO (2013)

Miller-Lionberg, D. A fine resolution CDF simulation approach for biomass cook stove development. Colorado State University. Fort Collins, CO (2011)

Zube, D. Heat Transfer Efficiency of Biomass Cookstoves. Master's Thesis. Colorado State University. Fort Collins, CO (2010)

Hawley, B. Inflammatory Effects of Cook Stove Emissions on Cultured Human Bronchial Epithelial Cells. Master's Thesis. Colorado State University. Fort Collins, CO (2010)

Agenbroad, J. A Simplified Model for Understanding Natural Convection Driven Biomass Cooking Stoves. Master's Thesis. Colorado State University. Fort Collins, CO (2010)

L'Orange, C. Testing Methodologies for Biomass Cook Stoves and their Effects on Emissions. Master's Thesis, Colorado State University. Fort Collins, CO. (2009)