

## *Daniel Woldemariam*

Daniel Woldemariam har deltagit i mer än 30 olika forskningsområden av vilka de flesta handlar om vattenrening. Bland dem som har särskild relevans för HVR kan nämnas

### Publicerade vetenskapliga artiklar

D. Woldemariam, A. Kullab, E. U. Khan and A. Martin, Recovery of ethanol from scrubber-water by district heat-driven membrane distillation: Industrial-scale techno-economic study, *Renewable Energy*, 128, Part B, December **2018**, pages 484- 494.

D. Woldemariam, District Heating-driven Membrane Distillation for Water Purification in Industrial Applications, PhD Thesis, KTH Royal Institute Technology, Stockholm, Sweden, **2017**.

D. M. Woldemariam, A. Kullab, A. R. Martin, District heat-driven water purification via membrane distillation: New possibilities for applications in Pharmaceutical Industries, *Industrial Engineering Chemistry Research*, **2017**, 56 (9), pp 2540–2548.

D. Woldemariam, A. Martin, and M. Santarelli, Exergy analysis of air-gap membrane distillation systems for water purification applications, *Applied Sciences*, **2017**, 7 (3), 301.

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### Presentationer på konferenser

D. Woldemariam, A. Martin, District heating powered membrane distillation system for industrial applications, International Scientific Conference on Pervaporation, Vapor Permeation and Membrane Distillation, September 21–24, **2014**, Torun, Poland.

D. Woldemariam, A. Martin, District heating-powered membrane distillation for industrial applications: Wastewater treatment in Pharmaceutical industries, The 2015 Annual meeting of the North American Membrane Society NAMS, May 30– June 3, **2015**, Boston, MA, USA.

D. Woldemariam, A. Kullab, E. U. Khan and A. Martin, District heating-driven membrane distillation in industrial-scale bioethanol production: Techno-economic study, *Proceedings*

of ECOS 2016 – The 29th International Conference on Efficiency, Cost, Optimization and Environmental Impact of Energy Systems, June 19–23, **2016**, Portoroz, Slovenia.

Renewable Energy Policy in Europe: Support mechanisms for renewable energy systems, the case of Sweden. July **2014**, Eindhoven University of Technology, TU/e, Eindhoven.

Polygeneration of electricity, domestic hot water and clean water for rural Ethiopia community using solar energy and biomass, workshop on Entrepreneurship and Innovation Summer School, July **2013**, Eindhoven University of Technology, TU/e, Eindhoven.