



Algae Based Systems I: Cultivation

Chairs: Ben Stuart, Old Dominion University and Umakanta Jena, New Mexico State University

Saturday, April 1, 2017

9:15 am – 11:15 am

9:00 am

Sustainable Cultivation of Microalgae using Diluted Anaerobic Digestate as a Nutrient Medium

Husam A. Abu Hajar [University of Jordan], R. Guy Riefler [Ohio University] and Ben J. Stuart [Old Dominion University]

9:20 am

Use of Urea and Ammonium Chloride to Limit Zooplankton Grazers in Scenedesmus Cultures

Blake Steiner, Caleb Talbot, Siobhan McFarlane, Ben Stuart and Sandeep Kumar [Old Dominion University]

9:40 am

Biofilm Microalgae Treats Municipal Wastewater with High Ammonia Concentration

Celeste Hancock and Ronald Sims [Utah State University]

10:00 am

An Algal Revolving Biofilm (RAB) System for Microalgal Cultivation with Enhanced Biomass Production and Reduced Footprint

Zhiyou Wen and Martin Gross [Iowa State University]

10:20 am

Hazardous Algal Blooms: Cyanobacterial Microcystin Degradation through Anaerobic Digestion

Kyle Hillman and Ronald Sims [Utah State University]