

Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells

Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C  
Process performance and microbial community dynamics

Effects of elevated pressures on the activity of acidophilic bioleaching microorganisms

Effects of energy retrofits on Indoor Air Quality in multifamily buildings

Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust  
Assessment of the maximum operational total solid content

Why social sustainability counts  
The impact of corporate social sustainability culture on financial success

High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition

Bio-hydrogen Production from Sewage Sludge  
Screening for Pretreatments and Semi-continuous Reactor Operation

Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0

Temperature control as key factor for optimal biohydrogen production from thermomechanical pulping wastewater

Performance of a biotrickling filter for the anaerobic utilization of gas-phase methanol coupled to thiosulphate reduction and resource recovery through volatile fatty acids production

Radon, fungal spores and MVOCs reduction in crawl space house  
A case study and crawl space development by hygrothermal modelling

Nutrient management via struvite precipitation and recovery from various agroindustrial wastewaters  
Process feasibility and struvite quality

Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor

Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor

Fate of metallic engineered nanomaterials in constructed wetlands  
prospection and future research perspectives

Indoor thermal environment, air exchange rates, and carbon dioxide concentrations before and after energy retro fits in Finnish and Lithuanian multi-family buildings

Cultivation of *Scenedesmus acuminatus* in different liquid digestates from anaerobic digestion of pulp and paper industry biosludge

The effect of low-temperature pretreatment on the solubilization and biomethane potential of microalgae biomass grown in synthetic and wastewater media

Magnesium aminoclay enhances lipid production of mixotrophic *Chlorella* sp. KR-1 while reducing bacterial populations

Mild pressure induces rapid accumulation of neutral lipid (triacylglycerol) in *Chlorella* spp.

Performance of a sonic jet-type charger in high dust load

Sustainable nutrients recovery and recycling by optimizing the chemical addition sequence for struvite precipitation from raw swine slurries

Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation

Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems  
An overview

Hydrothermal carbonization of pulp mill streams

Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge

Release and characteristics of fungal fragments in various conditions

Agronomic characteristics of five different urban waste digestates

Cell-wall disruption and lipid/astaxanthin extraction from microalgae  
*Chlorella* and *Haematococcus*

Composites of high-temperature thermomechanical pulps and polylactic acid

High efficiency dilute nitride solar cells  
Simulations meet experiments

Simultaneous nutrient removal and lipid production with *Chlorella vulgaris* on sterilized and non-sterilized anaerobically pretreated piggery wastewater

Airtightness of residential buildings in Finland

Cultivation of *Nannochloropsis* for eicosapentaenoic acid production in wastewaters of pulp and paper industry

Effects of anode potentials on bioelectrogenic conversion of xylose and microbial community compositions

Lipid production by eukaryotic microorganisms isolated from palm oil mill effluent

Fluidized-bed denitrification of mining water tolerates high nickel concentrations

Combination of a novel electrode material and artificial mediators to enhance power generation in an MFC

Struvite precipitation in raw and co-digested swine slurries for nutrients recovery in batch reactors

Improved biomass and lipid production in a mixotrophic culture of *Chlorella* sp. KR-1 with addition of coal-fired flue-gas

Repeated use of stable magnetic flocculant for efficient harvest of oleaginous *Chlorella* sp.

Magnetophoretic harvesting of oleaginous *Chlorella* sp. by using biocompatible chitosan/magnetic nanoparticle composites

The effect of organic loading rate and retention time on hydrogen production from a methanogenic CSTR

Two-stage anaerobic digestion of tomato, cucumber, common reed and grass silage in leach-bed reactors and upflow anaerobic sludge blanket reactors

Effect of micro-aeration and leachate replacement on COD solubilization and VFA production during mono-digestion of grass-silage in one-stage leach-bed reactors

Weathering of gasification and grate bottom ash in anaerobic conditions

Biogas production from boreal herbaceous grasses - Specific methane yield and methane yield per hectare

Impact of crop species on bacterial community structure during anaerobic co-digestion of crops and cow manure

Internal leachate quality in a municipal solid waste landfill  
Vertical, horizontal and temporal variation and impacts of leachate recirculation

Methane oxidation in a boreal climate in an experimental landfill cover composed from mechanically-biologically treated waste

Storing energy crops for methane production  
Effects of solids content and biological additive

Effects of storage on characteristics and hygienic quality of digestates from four co-digestion concepts of manure and biowaste

Effects of solid-liquid separation on recovering residual methane and nitrogen from digested dairy cow manure

Biogas from energy crops - Optimal pre-treatments and storage, co-digestion and energy balance in boreal conditions

Anaerobic solubilisation of nitrogen from municipal solid waste (MSW)

Thermophilic aerobic wastewater treatment, process performance, biomass characteristics, and effluent quality

Occurrence of some chlorinated enol lactones and cyclopentene-1,3-diones in chlorine-treated waters

Determination of chlorinated 5-methyl-5-hydroxyfuranones in drinking water, in chlorinated humic water, and in pulp bleaching liquor

Effects of wastewater constituents and operational conditions on the composition and dynamics of anodic microbial communities in bioelectrochemical systems

Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems

Metals removal and recovery in bioelectrochemical systems  
A review

Possible impacts of increasing maximum truck weight: Finland case study

Fungal treatment of landfill mining fine fraction to increase its stability and end-use potential

Software design for simulating microbial bioprocesses in bioreactor

Editorial

Mitigation of propylene glycol emissions to groundwater and soil