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

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

Anaerobic solubilisation of nitrogen from municipal solid waste (MSW)

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

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

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

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

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

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

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

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

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

Weathering of gasification and grate bottom ash in anaerobic conditions

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

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

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

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

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

Software design for simulating microbial bioprocesses in bioreactor

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

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

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

Metals removal and recovery in bioelectrochemical systems
A review

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

Fluidized-bed denitrification of mining water tolerates high nickel concentrations

Lipid production by eukaryotic microorganisms isolated from palm oil mill effluent

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

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

Airtightness of residential buildings in Finland

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

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

Agronomic characteristics of five different urban waste digestates

Release and characteristics of fungal fragments in various conditions

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

Possible impacts of increasing maximum truck weight: Finland case study

Hydrothermal carbonization of pulp mill streams

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

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

Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation

Mitigation of propylene glycol emissions to groundwater and soil

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

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

Editorial

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

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

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

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

Effects of energy retrofits on Indoor Air Quality in multifamily buildings

Effects of elevated pressures on the activity of acidophilic bioleaching microorganisms

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

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