

Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil?

Physical Characteristics of Particle Emissions from a Medium Speed Ship Engine Fueled with Natural Gas and Low-Sulfur Liquid Fuels

Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors

Effect of tungsten and selenium on C_1 gas bioconversion by an enriched anaerobic sludge and microbial community analysis

Toward elemental analysis of ambient single particles using electrodynamic balance and laser-induced breakdown spectroscopy

Measurement of the human respiratory tract deposited surface area of particles with an electrical low pressure impactor

Low concentration of zeolite to enhance microalgal growth and ammonium removal efficiency in a membrane photobioreactor

Influence of electron acceptor availability and microbial community structure on sedimentary methane oxidation in a boreal estuary

Assessment of pitting corrosion in bare and passivated (wet $scCO_2$ -induced patination and chemical passivation) hot-dip galvanized steel samples with SVET, FTIR, and SEM (EDS)

Photo-oxidation of Aromatic Hydrocarbons Produces Low-Volatility Organic Compounds

Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus

Towards bioproduction of poly- α -olefins from lignocellulose

Particle growth with photochemical age from new particle formation to haze in the winter of Beijing, China

MicroEnv

A microsimulation model for quantifying the impacts of environmental policies on population health and health inequalities

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

Nanocluster Aerosol Emissions of a 3D Printer

Molecular Composition and Volatility of Nucleated Particles from α -Pinene Oxidation between -50 °c and +25 °c

Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell

Strategies To Diminish the Emissions of Particles and Secondary Aerosol Formation from Diesel Engines

Detection of gaseous species during KCl-induced high-temperature corrosion by the means of CPFAAS and CI-APi-TOF

Fabrication of fiber filters with antibacterial properties for VOC and particle removal

Application of an indoor air pollution metamodel to a spatially-distributed housing stock

Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles

Applicability of optical and diffusion charging-based particulate matter sensors to urban air quality measurements

Emission measurements with gravimetric impactors and electrical devices
An aerosol instrument comparison

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

Effect of macro- and micro-nutrients addition during anaerobic mono-digestion of grass silage in leach-bed reactors

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

Considerations in analysing elemental carbon from marine engine exhaust using residual, distillate and biofuels

High Nitrogen Removal in a Constructed Wetland Receiving Treated Wastewater in a Cold Climate

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

Performance evaluation of the HR-ELPI + inversion

Quantitative characterization of pore structure of several biochars with 3D imaging

Extending the Faraday cup aerosol electrometer based calibration method up to 5 μm

Soft hydrazone crosslinked hyaluronan- and alginate-based hydrogels as 3D supportive matrices for human pluripotent stem cell-derived neuronal cells

Assessing urban population vulnerability and environmental risks across an urban area during heatwaves – Implications for health protection

Adsorption of furfural from torrefaction condensate using torrefied biomass

Comparative performance of a thermal denuder and a catalytic stripper in sampling laboratory and marine exhaust aerosols

Bio-electrochemical conversion of industrial wastewater-COD combined with downstream methanol synthesis-an economic and life cycle assessment

Flow rate-independent electrical aerosol sensor

Stable carbon isotopic composition of peat columns, subsoil and vegetation on natural and forestry-drained boreal peatlands

Recovering Nitrogen as a Solid without Chemical Dosing
Bio-Electroconcentration for Recovery of Nutrients from Urine

Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains

Performance of ventilation filtration technologies on characteristic traffic related aerosol down to nanocluster size

Differential diffusion analyzer

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

Improving urban air quality measurements by a diffusion charger based electrical particle sensors
A field study in Beijing, China

London Hybrid Exposure Model
Improving Human Exposure Estimates to NO_2 and $\text{PM}_{2.5}$ in an Urban Setting

Higher Cd adsorption on biogenic elemental selenium nanoparticles

Real-time effective density monitor (DENSMO) for aerosol nanoparticle production

Improving the signal-to-noise ratio of Faraday cup aerosol electrometer based aerosol instrument calibrations

Release and characteristics of fungal fragments in various conditions

HPLC-SEC
a new approach to characterise complex wastewater effluents

Identification of single microbial particles using electro-dynamic balance assisted laser-induced breakdown and fluorescence spectroscopy

Triboelectric charging of fungal spores during resuspension and rebound

Physical and Chemical Characterization of Real-World Particle Number and Mass Emissions from City Buses in Finland

Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles

Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe_3O_4 nanoparticles

Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets

Tri-functionality of Fe₃O₄-embedded carbon microparticles in microalgae harvesting

The critical velocity of rebound determined for sub-micron silver particles with a variable nozzle area impactor

Effects of fresh lubricant oils on particle emissions emitted by a modern gasoline direct injection passenger car

Breaking dormancy

An energy-efficient means of recovering astaxanthin from microalgae

Testing the near field/far field model performance for prediction of particulate matter emissions in a paint factory

Seasonal and diurnal variations of fluorescent bioaerosol concentration and size distribution in the urban environment

Chemolithotrophic denitrification in biofilm reactors

Impact of selective catalytic reduction on exhaust particle formation over excess ammonia events

Cell toxicity and oxidative potential of engine exhaust particles

Impact of using particulate filter or biodiesel fuel blend

Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge

Julkaisun otsikon käännös: : Screening pretreatment methods to enhance thermophilic anaerobic digestion of pulp and paper mill wastewater treatment secondary sludge

Evaluation of an oxidation catalyst ("catalytic stripper") in eliminating volatile material from combustion aerosol

Agricultural potential of anaerobically digested industrial orange waste with and without aerobic post-treatment

Optimised selection of new protective coatings for biofuel boiler applications

Weathering of gasification and grate bottom ash in anaerobic conditions

The mechanism of the oxidation of benzyl alcohol by iron(III)nitrate

Conventional versus microwave heating

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

CO-digestion of grass silage and cow manure in a CSTR by re-circulation of alkali treated solids of the digestate

Screening for potential fermentative hydrogen production from black water and kitchen waste in on-site UASB reactor at 20°C

Stabilisation of MSWI bottom ash with sulphide-rich anaerobic effluent

Landfill methane oxidation in engineered soil columns at low temperature

Thermophilic anaerobic digestion of industrial orange waste

Biomass characterization of laboratory-scale thermophilic-mesophilic wastewater treatment processes

The effects of post-treatments and temperature on recovering the methane potential of >2 mm solid fraction of digested cow manure

Removal of DEHP in composting and aeration of sewage sludge

Occurrence and removal of organic pollutants in sewages and landfill leachates

The methane production of poultry slaughtering residues and effects of pre-treatments on the methane production of poultry feather

Effects of temperature on post-methanation of digested dairy cow manure in a farm-scale biogas production system

Screening of physical-chemical methods for removal of organic material, nitrogen and toxicity from low strength landfill leachates

Comparison of activated sludge processes at different temperatures
35°C, 2-55°C, and 55°C

Sulphate-reducing laboratory-scale high-rate anaerobic reactors for treatment of metal-and sulphate-containing mine wastewater

Characterisation and anaerobic batch degradation of materials accumulating in anaerobic digesters treating poultry slaughterhouse waste

Mutation spectra of the drinking water mutagen 3-chloro-4-methyl-5-hydroxy-2(5H)-furanone (MCF) in Salmonella TA100 and TA104
Comparison to MX

Ring-chain tautomerism of chlorinated hydroxyfuranones and reaction with nucleosides

Anaerobic digestion of poultry slaughtering wastes

The evaluation of drinking water treatment performed with HPSEC

Isolation of a MX-guanosine adduct formed at physiological conditions

The effects of nutrients on natural organic matter (NOM) removal in biological activated carbon (BAC) filtration

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

Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in E. coli K-12 cells recovered from various organs of mice

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

Review of motor vehicle particulate emissions sampling and measurement
From smoke and filter mass to particle number

Editorial