

Why social sustainability counts

The impact of corporate social sustainability culture on financial success

Weathering of gasification and grate bottom ash in anaerobic conditions

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

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

Triboelectric charging of fungal spores during resuspension and rebound

Towards bioproduction of poly- α -olefins from lignocellulose

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

Thermophilic anaerobic digestion of industrial orange waste

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

The mechanism of the oxidation of benzyl alcohol by iron(III)nitrate
Conventional versus microwave heating

The evaluation of drinking water treatment performed with HPSEC

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

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

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

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

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

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

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

Stabilisation of MSWI bottom ash with sulphide-rich anaerobic effluent

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

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

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

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

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

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

Ring-chain tautomerism of chlorinated hydroxyfuranones and reaction with nucleosides

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

Removal of DEHP in composting and aeration of sewage sludge

Release and characteristics of fungal fragments in various conditions

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

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

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

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

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

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

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

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

Performance evaluation of the HR-ELPI + inversion

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

Optimised selection of new protective coatings for biofuel boiler applications

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

Occurrence and removal of organic pollutants in sewages and landfill leachates

Nanocluster Aerosol Emissions of a 3D Printer

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

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

MicroEnv

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

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

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

London Hybrid Exposure Model

Improving Human Exposure Estimates to NO₂ and PM_{2.5} in an Urban Setting

Landfill methane oxidation in engineered soil columns at low temperature

Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus

Isolation of a MX-guanosine adduct formed at physiological conditions

Internal leachate quality in a municipal solid waste landfill

Vertical, horizontal and temporal variation and impacts of leachate recirculation

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

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

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

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

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

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

HPLC-SEC
a new approach to characterise complex wastewater effluents

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

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

Higher Cd adsorption on biogenic elemental selenium nanoparticles

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

Flow rate-independent electrical aerosol sensor

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

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

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

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

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

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

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

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

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

Editorial

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

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

Differential diffusion analyzer

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

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

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

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

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

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

Chemolithotrophic denitrification in biofilm reactors

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

Cell toxicity and oxidative potential of engine exhaust particles
Impact of using particulate filter or biodiesel fuel blend

Breaking dormancy
An energy-efficient means of recovering astaxanthin from microalgae

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

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

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

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)

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

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

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

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

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

Anaerobic digestion of poultry slaughtering wastes

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

Adsorption of furfural from torrefaction condensate using torrefied biomass