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Research output: Research - peer-review › Journal article – Annual report year: 2019

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Research output: Research - peer-review › Journal article – Annual report year: 2019

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Research output: Research - peer-review › Journal article – Annual report year: 2018

AERMOD as a Gaussian dispersion model for planning tracer gas dispersion tests for landfill methane emission quantification
Research output: Research - peer-review › Journal article – Annual report year: 2018

Assessment of a landfill methane emission screening method using an unmanned aerial vehicle mounted thermal infrared camera – A field study
Research output: Research - peer-review › Journal article – Annual report year: 2018

Determination of gas recovery efficiency at two Danish landfills by performing downwind methane measurements and stable carbon isotopic analysis
Research output: Research - peer-review › Journal article – Annual report year: 2018

Development and implementation of a screening method to categorise the greenhouse gas mitigation potential of 91 landfills
Research output: Research - peer-review › Journal article – Annual report year: 2018
Development and testing of a sorting and quality assessment method for textile waste
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Research output: Research - peer-review › Journal article – Annual report year: 2018

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Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

Diagnostics, Monitoring and Mitigation of N2O Emissions from Wastewater Treatment Operations – Outcomes of the LAGAS project
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2018

Emission quantification using the tracer gas dispersion method: The influence of instrument, tracer gas species and source simulation
Research output: Research - peer-review › Journal article – Annual report year: 2018

Greenhouse gas emissions from wastewater treatment plants: measurements and carbon footprint assessment
Research output: Research › Ph.D. thesis – Annual report year: 2018

Impact of meteorological parameters on extracted landfill gas composition and flow
Research output: Research - peer-review › Journal article – Annual report year: 2018

Life cycle assessment comparing the treatment of surplus activated sludge in a sludge treatment reed bed system with mechanical treatment on centrifuge
Research output: Research - peer-review › Journal article – Annual report year: 2018

Life cycle assessment of sewage sludge management options including long-term impacts after land application
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Measuring methane emissions from a UK landfill using the tracer dispersion method and the influence of operational and environmental factors
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On-site and ground-based remote sensing measurements of methane emissions from four biogas plants: a comparison study
Optical technologies applied alongside on-site and remote approaches for climate gas emission quantification at a wastewater treatment plant

Regulating landfills using measured methane emissions: an English perspective

Remote sensing quantification of methane emissions from 10 biogas plants in Denmark and Germany
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Test af kompostprodukter og vurdering af komposts generelle anvendelse i biocovertilskudsordningen

Treating low strength/high flow landfill gas in an active loaded biofilter

Validation of landfill methane measurements from an unmanned aerial system: Project SC 160006

An environmental assessment of landfill gas mitigation, using a biocover system

An MFA-based optimization model for increased resource efficiency: Phosphorus flows in Denmark

Assessment of a combined dry anaerobic digestion and post-composting treatment facility for source-separated organic household waste, using material and substance flow analysis and life cycle inventory

Assessment of a Danish sludge treatment reed bed system and a stockpile area, using substance flow analysis

Assessment of methane production from shredder waste in landfills: The influence of temperature, moisture and metals

Comparative use of different emission measurement approaches to determine methane emissions from a biogas plant
Effects of thermal drying on phosphorus availability from iron-precipitated sewage sludge
Research output: Research - peer-review › Journal article – Annual report year: 2017

Environmental impacts and resource losses of incinerating misplaced household special wastes (WEEE, batteries, ink cartridges and cables)
Research output: Research - peer-review › Journal article – Annual report year: 2017

Evaluating potentials for waste sorting in the Arctic: waste separation studies from Greenland
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Gas collection efficiency at two danish landfills
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Gas composition of sludge residue profiles in a sludge treatment reed bed between loadings
Research output: Research - peer-review › Journal article – Annual report year: 2017

Greenhouse gas emission quantification from wastewater treatment plants, using a tracer gas dispersion method
Research output: Research - peer-review › Journal article – Annual report year: 2017

Greenhouse gas emissions from the mineralisation process in a Sludge Treatment Reed Bed system: Seasonal variation and environmental impact
Research output: Research - peer-review › Journal article – Annual report year: 2017

Investigating the state of a 6 years old full-scale biocover at a Danish landfill
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Måling af den totale metanemission fra Lemvig Biogasanlæg A.m.b.A - januar, 2017
Research output: Commissioned › Report – Annual report year: 2017

Måling af den totale metanemission fra Ribe Biogas A/S – 17. november 2017
Research output: Commissioned › Report – Annual report year: 2017

Måling af den totale metanemission fra Sønderjysk Biogas – 12. december 2017
Research output: Commissioned › Report – Annual report year: 2017
"Metharmo" is setting the standards - joint European research project develops standards for determining methane emissions from anaerobic digestion plants
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Microbial population dynamics in urban organic waste anaerobic co-digestion with mixed sludge during a change in feedstock composition and different hydraulic retention times
Research output: Research - peer-review › Journal article – Annual report year: 2017

Mitigation of methane emissions in a pilot-scale biocover system at the AV Miljø Landfill, Denmark: 1. System design and gas distribution
Research output: Research - peer-review › Journal article – Annual report year: 2017

Mitigation of methane emissions in a pilot-scale biocover system at the AV Miljø Landfill, Denmark: 2. Methane oxidation
Research output: Research - peer-review › Journal article – Annual report year: 2017

Nitrogen mineralisation and greenhouse gas emission from the soil application of sludge from reed bed mineralisation systems
Research output: Research - peer-review › Journal article – Annual report year: 2017

Quantification of greenhouse gas emissions from a biological waste treatment facility
Research output: Research - peer-review › Journal article – Annual report year: 2017

Quantification of the methane emissions from masons landfill, UK
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Rapid biochemical methane potential prediction of urban organic waste with near-infrared reflectance spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2017

Screening method to assess the greenhouse gas mitigation potential of old landfills, based on downwind methane concentration measurements
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Screening tool for landfill gas emission hot spots based on infrared images
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017
Statistical analysis of solid waste composition data: Arithmetic mean, standard deviation and correlation coefficients
Research output: Research - peer-review › Journal article – Annual report year: 2017

The role of metals in methane production from shredder waste in landfills
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Total methane emission from five Icelandic landfills - Quantification using tracer gas dispersion method
Research output: Commissioned › Report – Annual report year: 2017

Total methane loss from biogas plants, determined by tracer dispersion measurements
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Treatment of dilute landfill gas by open biocover systems - column experiments
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Anthropogenic phosphorus flows in Denmark: Quantification and critical analysis

Assessment of kitchen waste compost from Sisimiut for use as plant growth medium or landfill biocover
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Characterisation of source-separated organic waste for composting in Sisimiut, Greenland
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Characterisation of the biochemical methane potential (BMP) of individual material fractions in Danish source-separated organic household waste
Research output: Research - peer-review › Journal article – Annual report year: 2016

Co-digestion of food and garden waste with mixed sludge from wastewater treatment in continuously stirred tank reactors
Research output: Research - peer-review › Journal article – Annual report year: 2016

Comparison of the organic waste management systems in the Danish-German border region using life cycle assessment (LCA)
Research output: Research - peer-review › Journal article – Annual report year: 2016
Composition of municipal solid waste in Denmark

Composition of waste materials and recyclables

Dynamic bioconversion mathematical modelling and simulation of urban organic waste co-digestion in continuously stirred tank reactor
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Dynamic tracer dispersion method: A tool for measuring the total methane emission from individual Danish landfills
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Dynamic tracer dispersion method: A tool for measuring the total methane emission from individual Danish landfills
Research output: Research › Sound/Visual production (digital) – Annual report year: 2016

Energy recovery from water and food sector residual resources
Research output: Commissioned - peer-review › Report chapter – Annual report year: 2016

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Establishing bio-mitigation systems at landfills for reducing greenhouse gas emission – State-of-the-art
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Estimation of long-term environmental inventory factors associated with land application of sewage sludge
Research output: Research - peer-review › Journal article – Annual report year: 2016

Evaluating Sorting and Reuse Potentials for Household Waste in Sisimiut, Greenland
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Evaluation of a new pulping technology for pre-treating source-separated organic household waste prior to anaerobic digestion
Research output: Research - peer-review › Journal article – Annual report year: 2016
Quantification of methane and nitrous oxide emissions from Borgstedt waste treatment facility, Germany
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Quantification of the methane emission from three UK landfills
Research output: Commissioned - peer-review › Report – Annual report year: 2015

A comprehensive substance flow analysis of a municipal wastewater and sludge treatment plant
Research output: Research - peer-review › Journal article – Annual report year: 2015

Assessment of biogas production from MBT waste under different operating conditions
Research output: Research - peer-review › Journal article – Annual report year: 2015

Co-Digestion of Food Waste and Garden Waste With WTTP Mixed Sludge in CSTR
Research output: Research - peer-review › Poster – Annual report year: 2016

Combined anaerobic digestion of green waste with wastewater treatment plant mixed sludge in continuous stirred tank reactor (CSTR)
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Comparison of the organic waste management systems in the danish-german border region using life cycle assessment
Research output: Research - peer-review › Paper – Annual report year: 2015

Compositional data analysis of household food waste in Denmark
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Compositional data analysis of household food waste in Denmark
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Data structure in MFA and its effects on results: a comparison of P in Denmark and Austria
Research output: Research - peer-review › Poster – Annual report year: 2015

Development of an innovative uav-mounted screening tool for landfill gas emissions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Effects of sewage sludge stabilization on fertilizer value and greenhouse gas emissions after soil application
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Energy recovery from garden waste in a LCA perspective**
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

**Evaluating the methane generation rate constant (k value) of low-organic waste at Danish landfills**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Evaluation and application of site-specific data to revise the first-order decay model for estimating landfill gas generation and emissions at Danish landfills**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Food waste generation in office areas at DTU**
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

**Håndbog i monitering af gasemission fra danske affaldsdeponier**
Research output: Research › Report – Annual report year: 2015

**Importance of food waste pre-treatment efficiency for global warming potential in life cycle assessment of anaerobic digestion systems**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Landfill gas generation and emission at danish waste disposal sites receiving waste with a low organic waste content**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

**Måling af den totale metanemission fra Affaldscenter Skårup - Renosyd I/S**
Research output: Commissioned - peer-review › Report – Annual report year: 2015

**Måling af den totale metanemission fra Affaldscenter Tandskov**
Research output: Commissioned - peer-review › Report – Annual report year: 2015

**Måling af den totale metanemission fra Audebo Miljøcenter**
Research output: Commissioned - peer-review › Report – Annual report year: 2015

**Måling af den totale metanemission fra biogasanlægget på BIOFOS Spildevandscenter Avedøre A/S**
Måling af den totale metanemission fra ESØ 90 I/S
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Frederiksværk losseplads
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Horsens Bioenergi ApS
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Horsens Deponeringsanlæg
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Klintholm I/S
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Køge deponi
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Madsen Bioenergi
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Måling af den totale metanemission fra Ribe Biogas A/S
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Measurements of methane emissions from biogas production – Data collection and comparison of measurement methods: Energiforsk report 2015:158
Research output: Research - peer-review › Report – Annual report year: 2015

Metanemission fra Audebo Losseplads
Research output: Commissioned - peer-review › Report – Annual report year: 2015

Municipal solid waste composition: Sampling methodology, statistical analyses, and case study evaluation
Notat - Miljøvurdering af imødegåelse af metanemission fra affaldsdeponier ved implementering af hhv. biocover og gasopsamling med energiudnyttelse
Research output: Commissioned › Report – Annual report year: 2015

Occurrence and temporal variation of danish household food waste
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Phosphorus in Denmark: national and regional anthropogenic flows
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Quantification of fugitive methane emissions from a landfill in Hedeland, Roskilde (DK)
Research output: Commissioned › Report – Annual report year: 2015

Quantification of fugitive methane emissions from a landfill in Køge (DK)
Research output: Commissioned › Report – Annual report year: 2015

Quantification of methane and nitrous oxide emission from wastewater treatment plants
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Quantification of methane emissions from 15 Danish landfills using the mobile tracer dispersion method
Research output: Research - peer-review › Journal article – Annual report year: 2015

Quantification of the methane emission from Masons landfill - Part II
Research output: Commissioned › Report – Annual report year: 2015

Seasonal variation of household food waste in Denmark
Research output: Research - peer-review › Paper – Annual report year: 2015

Source segregation of food waste in office areas: Factors affecting waste generation rates and quality
Research output: Research - peer-review › Journal article – Annual report year: 2015

Suggested guidelines for gas emission monitoring at danish landfills
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Assessing methods to estimate emissions of non-methane organic compounds from landfills
Research output: Research - peer-review › Journal article – Annual report year: 2014
Baggrund for gasemission og monitering på danske deponier

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Composition of municipal solid waste in Denmark

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Effects of bioaugmentation on enhanced reductive dechlorination of 1,1,1-trichloroethane in groundwater - a comparison of three sites

Research output: Research - peer-review › Journal article – Annual report year: 2013

Erfaringer med biocovers i Danmark: Fra labforsøg til fuldskalaanlæg

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Estimating household food waste in Denmark: case study of single family households

Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Evaluating the biochemical methane potential (BMP) of low-organic waste at Danish landfills

Research output: Research - peer-review › Journal article – Annual report year: 2014

Full-scale quantification of CH4 emissions from wastewater treatment plants and biogas facilities

Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2014

Gasmissioner fra danske deponier målt med sporstofmetoder (15 deponier)

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Influence of data collection schemes on the Life Cycle Assessment of a municipal wastewater treatment plant.

Research output: Research - peer-review › Journal article – Annual report year: 2014

Landfill gas generation and emission at Danish waste disposal sites receiving low-organic waste

Research output: Research - peer-review › Ph.D. thesis – Annual report year: 2014

Landfill methane emission mitigation – How to construct and document a full-scale biocover system

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Life cycle assessment of sewage sludge treatment and its use on land

Research output: Research - peer-review › Ph.D. thesis – Annual report year: 2014

Life cycle assessment of the management of special waste types: WEEE and batteries

Research output: Research - peer-review › Ph.D. thesis – Annual report year: 2014
Methane emission fra Viborg affaldsdeponi
Research output: Research › Report – Annual report year: 2013

Reduktion af metanemissionen fra Klintholm losseplads ved etablering af biocover
Research output: Research - peer-review › Report – Annual report year: 2012

Assessment of 1,1,1-TCA Degradation Using Carbon Isotope Fractionation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Comparison Of Four Landfill Gas Models Using Data From Four Danish Landfills
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Development and Sensitivity Analysis of a Fully Kinetic Model of Sequential Reductive Dechlorination in Groundwater
Research output: Research - peer-review › Journal article – Annual report year: 2011

Environmental Aspects Of Home Composting Of Organic Household Waste
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Evaluating Gas Emissions From Landfills – Which Methodologies Can Be Used?
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Evaluation of respiration in compost landfill biocovers intended for methane oxidation
Research output: Research - peer-review › Journal article – Annual report year: 2011

Extraction of nucleic acids from trichloroethene (TCE) degrading bacteria in extremely clayey groundwater sediments
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2011

Gas production, composition and emission at a modern disposal site receiving waste with a low-organic content
Research output: Research - peer-review › Journal article – Annual report year: 2011

Landfill Top Covers
Research output: Research - peer-review › Book chapter – Annual report year: 2011

Mass balances and life cycle inventory of home composting of organic waste
Andersen, J. K., Boldrin, A., Christensen, T. H. & Scheutz, C. 2011 In : Waste Management. 31, 9-10, p. 1934-1942
Research output: Research - peer-review › Journal article – Annual report year: 2011
Mitigation of methane emission from Fakse landfill using a biowindow system
Research output: Research - peer-review » Journal article – Annual report year: 2011

Natural and enhanced anaerobic degradation of 1,1,1-trichloroethane and its degradation products in the subsurface – A critical review
Research output: Research - peer-review » Journal article – Annual report year: 2011

Quantification Of Greenhouse Gases From Three Danish Composting Facilities
Research output: Research - peer-review » Article in proceedings – Annual report year: 2011

Quantification of multiple methane emission sources at landfills using a double tracer technique
Research output: Research - peer-review » Journal article – Annual report year: 2011

Temperatures In Compost Landfill Covers As Result Of Methane Oxidation And Compost Respiration
Research output: Research - peer-review » Article in proceedings – Annual report year: 2011

Availability and properties of materials for the Fakse Landfill biocover
Research output: Research - peer-review » Journal article – Annual report year: 2010

Characterization of natural anaerobic dechlorination of TCE and 1,1,1-TCA in clay till including isotope fractionation and molecular biological tools
Research output: Research - peer-review » Article in proceedings – Annual report year: 2010

Development and sensitivity analysis of a fullykinetic model of sequential reductive dechlorination in subsurface
Research output: Research - peer-review » Conference abstract in proceedings – Annual report year: 2010

Feltundersøgelse af den naturlige PCE og TCA nedbrydning i moræneler ved en tidligere kemikaliefordelingscentral
Research output: Research » Article in proceedings – Annual report year: 2010

Field Evaluation of Biological Enhanced Reductive Dechlorination of Chloroethenes in Clayey Till
Research output: Research - peer-review » Journal article – Annual report year: 2010

Greenhouse gas emissions from home composting of organic household waste
Andersen, J. K., Boldrin, A., Christensen, T. H. & Scheutz, C. 2010 In : Waste Management. 30, p. 2475-2482
Research output: Research - peer-review » Journal article – Annual report year: 2010
How do we avoid releases of chlorofluorocarbons (CFCs) from insulation foam waste?
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Mass balances and life-cycle inventory for a garden waste windrow composting plant (Aarhus, Denmark)
Research output: Research › Journal article – Annual report year: 2010

Mikrobiel dechlorering af TCE - molekylære teknikker til bestemmelse af tilstedeværelse og aktivitet af specifikke nedbrydere
Research output: Research › Article in proceedings – Annual report year: 2010

Nedbrydning af 1,1,1-TCA ved stimuleret reduktiv dechlorering. Treatability-forsøg for lokaliteterne Baldersbækvej, Høje Taastrup Vej og Værløsevej. Statusnotat + Bilag til Statusnotat
Research output: Research › Report – Annual report year: 2010

Quantification of Greenhouse Gas Emissions from Windrow Composting of Garden Waste
Research output: Research › Journal article – Annual report year: 2010

Reduction of greenhouse gas emissions from landfills by use of engineered bio-covers - experiences from two full-scale systems
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Release and fate of fluorocarbons in a shredder residue landfill cell: 1. Laboratory experiments
Research output: Research › Journal article – Annual report year: 2010

Release and fate of fluorocarbons in a shredder residue landfill cell: 2. Field investigations
Research output: Research › Journal article – Annual report year: 2010

Rigorous field demonstrations of enhanced reductive dechlorination in clayey till and a sand aquifer at a Danish test site
Research output: Research › Conference abstract in proceedings – Annual report year: 2010

Stimuleret nedbrydning af 1,1,1-trichlorethan forurening i mørønneler på 3 danske lokaliteter
Research output: Research › Article in proceedings – Annual report year: 2010

Substitution of peat, fertiliser and manure by compost in hobby gardening: User surveys and case studies
Andersen, J. K., Christensen, T. H. & Scheutz, C. 2010 In : Waste Management. 30, p. 2483-2489
Research output: Research › Journal article – Annual report year: 2010
Mitigating methane emissions from landfills using biocovers - lessons learned and future challenges
Research output: Research › Article in proceedings – Annual report year: 2009

Nedbrydning af 1,1,1-TCA ved stimuleret reduktiv dechlorering: Treatability-forsøg for lokaliteterne: Baldersbækvej, Høje Taastrup Vej og Valsbyvej
Research output: Research › Report – Annual report year: 2009

The Danish method for emission reporting to PRTR from waste disposal sites
Research output: Research › Article in proceedings – Annual report year: 2009

Atmospheric emissions and attenuation of non-methane organic compounds in cover soils at a French landfill
Research output: Research - peer-review › Journal article – Annual report year: 2008

Biocover - Testing improvement strategies
Research output: Research › Report – Annual report year: 2008

Concurrent ethene generation and growth of Dehalococcoides containing vinyl chloride reductive dehalogenase genes during an enhanced reductive dechlorination field demonstration
Research output: Research - peer-review › Journal article – Annual report year: 2008

Kan vi reducere udslippet af drivhusgasser fra vores lossepladser?
Research output: Research › Journal article – Annual report year: 2008

Methods for quantifying gaseous emissions from full-scale windrow composting of garden waste
Research output: Research › Article in proceedings – Annual report year: 2008

Reduction of methane emissions from landfills by use of engineered biocover system established at the Fakse Landfill, Denmark
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Spatial and temporal variabiolity in load and how it affects total methane oxidation in a field trial biocover window in Fakse, Denmark
Stimulated reductive dechlorination of 1,1,1-trichloroethane in mixed chlorinated solvent contamination in clayey till: Integrated treatability tests and field site characterization
Research output: Research › Article in proceedings – Annual report year: 2008

Stimulated reductive dechlorination of 1,1,1-trichloroethane in mixed chlorinated solvent contamination in clayey till: Integrated treatability tests and field site characterization
Research output: Research › Conference abstract in proceedings – Annual report year: 2008

Transport and reaction processes affecting the attenuation of landfill gas in cover soils
Research output: Research - peer-review › Journal article – Annual report year: 2008

Attenuation of fluorocarbons released from foam insulation in landfills
Research output: Research - peer-review › Journal article – Annual report year: 2007

Biocover - Cover Improvement plan
Research output: Research › Report – Annual report year: 2007

Biocover - reduction of greenhouse gas emissions from landfills by use of engineered bio-covers
Research output: Research › Article in proceedings – Annual report year: 2007

Biocover - reduction of greenhouse gas emissions from landfills by use of engineered bio-covers
Research output: Research › Article in proceedings – Annual report year: 2007

Biocover - Whole landfill methane emission
Research output: Research › Report – Annual report year: 2007

Challenges in remediation of low permeability sediments by enhanced reductive dechlorination of chlorinated solvents
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Dynamics of reductive TCE dechlorination in two distinct H2 supply scenarios and at various temperatures
Research output: Research - peer-review › Journal article – Annual report year: 2007
Engineered biocovers - Passive mitigation systems for landfill gas: Status for the demonstration project, BIOCOVER
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Forundersøgelser til pilotprojekt om stimuleret reduktiv deklorering
Research output: Research › Report – Annual report year: 2007

Implementing biocover on Fakse landfill: landfill characterization, gas production modeling and mapping spatial variability in emissions
Research output: Research › Article in proceedings – Annual report year: 2007

Investigation of emissions from the AV Miljø Landfill: 1. Gas quantity, quality and attenuation properties
Research output: Research › Report – Annual report year: 2007

Methane emission quantification from landfills using a double tracer approach
Research output: Research › Article in proceedings – Annual report year: 2007

Methane mass balance for AV Miljø - a modern disposal site receiving waste with a low organic content
Research output: Research › Article in proceedings – Annual report year: 2007

Oprensning af klorerede opløsningsmidler i moræneler med stimuleret reduktiv deklorering - pilotforsøg: Hovedrapport - Lok. nr. 461-169. Rugårdsvej 234-238, 5210 Odense NV
Research output: Research › Report – Annual report year: 2007

Pilotprojekt med stimuleret in situ reduktiv deklorering: Hovedrapport
Research output: Research › Report – Annual report year: 2007

Pilotprojekt med stimuleret in situ reduktiv deklorering: Bilagsrapport
Research output: Research › Report – Annual report year: 2007

Release of fluorocarbons from insulation foam in home appliances during shredding
Research output: Research - peer-review › Journal article – Annual report year: 2007
Stimuleret reduktiv dechlorering: Dokumentation af pilotforsøg. Industrivej 3, Glostrup. Region Hovedstaden, Koncern Miljø
Research output: Research › Report – Annual report year: 2007

Testing a simple and low cost methane emission measurement method
Research output: Research › Article in proceedings – Annual report year: 2007

Anaerob dechlorering: Processer og bakterier
Research output: Research › Article in proceedings – Annual report year: 2006

Anaerob deklorering og oprensning af lavpermeable aflejringer
Research output: Research › Report – Annual report year: 2006

A rigorous field demonstration of stimulated reductive dechlorination and bioaugmentation in clay
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Biocover - Measurement of spatial variability in emissions
Research output: Research › Report – Annual report year: 2006

Fate of fluorocarbons released from insulation foam waste disposed of in an automotive shredder residue landfill cell
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Fate of fluorocarbons released from polyurethane insulation foam waste disposed of in an automotive shredder residue landfill cell
Research output: Research › Article in proceedings – Annual report year: 2006

Field demonstration of biosimulation and bioaugmentation for remediation of chlorinated solvents in a sand aquifer
Research output: Research › Conference abstract for conference – Annual report year: 2006

Field demonstration of stimulated reductive dechlorination and bioaugmentation after hydraulic fracturing inn clayey till
Research output: Research › Conference abstract for conference – Annual report year: 2006

Field measurements of methane emissions and oxidation at a modern disposal site receiving waste with a low organic content
Field-scale pilot test evaluating pneumatic fracturing in clayey till: Paper B-03
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Field-scale pilot test evaluating pneumatic fracturing in clayey till
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Measuring methane emission rates through leachate collection system at a modern landfill using a small scale tracer release technique
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Naturlig og stimuleret nedbrydning af 1,1,1-TCA
Research output: Research › Report – Annual report year: 2006

Oprensnig af chlorerede opløsningsmidler i moræneler: Betydning af diffusion
Research output: Research › Article in proceedings – Annual report year: 2006

Oprensnig af klorerede opløsningsmidler med stimuleret reduktiv deklorering: felterfaringer og perspektivering
Research output: Research › Article in proceedings – Annual report year: 2006

Pilotforsøg med pneumatisk frakturering til oprensning af forurening i moræneler
Research output: Research › Article in proceedings – Annual report year: 2006

Pneumatisk frakturering: Dokumentation af pilotforsøg. Industrivej 3, Glostrup. Københavns Amt
Research output: Research › Report – Annual report year: 2006

Pneumatisk frakturering: Dokumentation af pilotforsøg Vadsbyvej 16A, Hedehusene. Københavns Amt
Research output: Research › Report – Annual report year: 2006

Stimulated in situ reductive dechlorination of TCE in clayey till: Tommerup field pilot test
Biostimulation
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Udbredelse af Dehalococcoider i danske grundvandsakviferer
Research output: Research › Report – Annual report year: 2006

Biodegradation of trace gases in simulated landfill soil cover systems
Research output: Research - peer-review › Journal article – Annual report year: 2005

Biodegradation of trace gases in simulated landfill biocover systems
Research output: Research › Article in proceedings – Annual report year: 2005

Field measurements of methane emissions and oxidation at a modern disposal site receiving waste with a low organic content
Research output: Research › Article in proceedings – Annual report year: 2005

Modelling the behaviour of slowly released organic compounds in landfills
Research output: Research › Article in proceedings – Annual report year: 2005

Protocol for the use of enhanced in situ bioremediation at chlorinated solvent sites in Denmark
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2005

Stimuleret in situ reduktiv deklorering: Videnopsamling og screening af lokaliteter
Research output: Research › Report – Annual report year: 2005

Stimuleret in situ reduktiv deklorering: Videnopsamling og screening af lokaliteter - Appendiksrapport
Research output: Research › Report – Annual report year: 2005

Attenuation of methane and volatile organic compounds in landfill soil covers
Scheutz, C., Mosbæk, H. & Kjeldsen, P. 2004 In : Journal of Environmental Quality. 33, p. 61-71
Research output: Research - peer-review › Journal article – Annual report year: 2004

Environmental factors influencing attenuation of methane and hydrochlorofluorocarbons in landfill cover soils
Scheutz, C. & Kjeldsen, P. 2004 In : Journal of Environmental Quality. 33, p. 72-79
Research output: Research - peer-review › Journal article – Annual report year: 2004
Evaluation of bioenergetics of redox reactions and dechlorination processes in redox sequence experiments
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2004

Fyns Amt. Forurenet lokalitet nr. 485-20 - Tidligere maskinfabrik, Sortebrovej 26, 5690 Tommerup: Undersøgelser til vurdering af stimuleret in-situ reduktiv deklorering og kemisk oxidation ved oprensning af grundvandsforurening
Research output: Research › Report – Annual report year: 2004

Research output: Research › Report – Annual report year: 2004

Landfill gas migration studies at a selected landfill in Malaysia
Research output: Research - peer-review › Journal article – Annual report year: 2004

NAPL plumes and in situ remediation: Future challenges?
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2004

Atmospheric emissions and attenuation of non-methane organic compounds in cover soils at Grand'Landes Landfill
Research output: Research › Report – Annual report year: 2003

Atmospheric emissions and attenuation of non-methane organic compounds in cover soils at Grand'Landes Landfill
Research output: Research › Report – Annual report year: 2003
Field measurement of non-methane organic compound emissions from landfill cover soils

In situ chemical oxidation of natural organic matter by potassium permanganate: Evaluation of potassium permanganate consumption and oxidation kinetics

Release and attenuation of fluorocarbons in landfills

Release and attenuation of fluorocarbons in landfills

Short- and long-term releases of fluorocarbons from disposal of polyurethane foam waste

Studies of gas migration on a selected landfill in Malaysia

Attenuation of methane and trace organics in landfill soil covers

Attenuation of non-methane organic compounds in cover soil at a French landfill

Attenuation of non-methane organic compounds (NMOCS) in landfill cover soil

Determination of the fraction of blowing agent released from refrigerator/freezer foam after decommissioning the product
Determination of the fraction of blowing agent released from refrigerator/freezer foam after decommissioning the product
Scheutz, C. & Kjeldsen, P. 2002 Kgs. Lyngby, Denmark: Environment & Resources DTU. Technical University of Denmark

Methane oxidation and degradation of halocarbons in landfill soil covers

Methane oxidation and degradation of halogenated organic compounds in landfill soil covers

Methane oxidation and biodegradation of halogenated organic compounds in landfill soil covers

Removal of halogenated organic compounds in landfill gas by top covers containing zero-valent iron
Scheutz, C., Winther, K. & Kjeldsen, P. 2000 In : Environmental Science and Technology. 34, p. 2557-2563

Degradation of halogenated organic compounds in landfill top covers using iron metal

Projects:

Development of innovative remote sensing measurement techniques for quantification of greenhouse gases and ammonia from industrial and agricultural sources
Vechi, N. D. R., Scheutz, C. & Mellqvist, J.
01/12/2018 → 30/11/2021
Project: PhD

Understanding landfill methane emission dynamics as a basis for emission quantification
Kissas, K., Scheutz, C., Ibrom, A. & Kjeldsen, P.
01/12/2018 → 30/11/2021
Project: PhD

Quantification of trace gas emissions from waste management facilities
Duan, Z., Kjeldsen, P. & Scheutz, C.
Stipendie fra udlandet
01/11/2016 → 31/10/2019
Mål: PhD

Miljøvurdering af indsamling, genanvendelse og bortskaffelse af tøj, og tekstilaffald
Nørup, N., Scheutz, C., Damgaard, A. & Pihl, K. A.
Industrial PhD
15/01/2015 → 17/02/2019
Project: PhD

Whole gaseous emission measurements from waste treatment facilities / Gasemissionsmålinger fra affaldshåndteringssystemer
1/3 DTU-stip, 2/3 FUR/andet
01/06/2010 → 27/08/2014
Project: PhD

Optimization of greenhouse gas mitigation af landfills
Samfinansierede - Virksomhed
01/01/2015 → 20/06/2018
Project: PhD

Development of innovative landfill gas management technologies
Fjelsted, L., Kjeldsen, P., Christensen, A. G. & Scheutz, C.
Industrial PhD
01/10/2014 → 22/01/2019
Project: PhD

Full-scale quantification of greenhouse gas emissions from wastewater treatment plants
Delre, A., Scheutz, C., Mønster, J., Ibrom, A., Allen, G. & Thomsen, M.
Samfinansieret - Andet
15/12/2013 → 21/03/2018
Project: PhD

Partitioning between heterotrophic and autotrophic forest respiration by means of stable isotopes
Offentlig finansiering
01/03/2014 → 30/09/2017
Project: PhD

Reduktion af gasemission fra lossepladser i reaktive barrierer
Scheutz, C., Kjeldsen, P., Christensen, T. H., Hühner, P. & Stegmann, R.
DTU-lønnet stipendie
01/08/1998 → 10/01/2003
Project: PhD

Gas Generation and Emissions from Decomposition of Organic Wastes at Full-Scale Waste Treatment Facilities
Andersen, J. K., Scheutz, C., Christensen, T. H., Kjeldsen, P., Jönsson, H. & Kranert, M.
DTU-lønnet stipendie
01/09/2007 → 21/12/2010
Project: PhD

Fremtidens integrerede indsamling af affald
Larsen, A. W., Christensen, T. H., Scheutz, C., Bilitewski, B. & Björklund, A.
DTU-lønnet stipendie
01/01/2006 → 11/11/2009
Project: PhD
Defining Quality Indicators in Waste Management
Merrild, H. K., Christensen, T. H., Scheutz, C., Hansen, J. A. & Salhofer, S.
DTU-lønnet stipendie
01/02/2005 → 01/07/2009
Project: PhD

Reduction of Methane Emissions from Landfills by Use of Engineered Biocovers
Pedersen, G. B., Kjeldsen, P., Scheutz, C., Christensen, T. H., Gebert, J. & Rintala, J. A.
DTU-lønnet stipendie
01/09/2004 → 25/08/2010
Project: PhD

PhD Project 12 - Life cycle assessment of special and hazardous waste types and fractions
1/3 DTU-stip, 2/3 FUR/andet
01/06/2009 → 26/01/2015
Project: PhD

Life cycle assessment of energy technologies and energy systems
Turconi, R., Astrup, T. F., Scheutz, C., Olsen, S. I. & Powers, S. E.
Institut stipendie (DTU) Samf.
01/09/2010 → 04/06/2014
Project: PhD

Gad generation and emission at waste disposal sites receiving low organic waste
1/3 DTU-stip, 2/3 FUR/andet
01/09/2010 → 01/12/2014
Project: PhD

Systematic quantification of biogas potential in urban organic waste
Samfinansieret - Andet
15/11/2013 → 26/04/2017
Project: PhD

Environmental assessment of biowaste management in the Danish-german border region
Jensen, M. B., Scheutz, C., Møller, J., Boldrin, A., Hansson, P. & Kirkeby, J. S.
Ansat eksternt
01/10/2012 → 21/04/2016
Project: PhD

Composition of waste materials and recyclables
Institut stipendie (DTU) Samf.
01/10/2012 → 21/04/2016
Project: PhD

Municipal organic waste management
Naroznova, I., Scheutz, C., Møller, J., Boldrin, A., La Cour Jansen, J. & Hansen, T. L.
Institut stipendie (DTU) Samf.
15/09/2012 → 22/03/2016
Project: PhD

LCA model for sewage sludge - an EASEWASTE extension
1/3 DTU-stip, 2/3 FUR/andet
01/01/2011 → 19/12/2014
Composition of municipal solid waste in Denmark
Institut stipendie (DTU) Samf.
01/09/2012 → 01/09/2016
Project: PhD

Environmental Assessment of Sewage Sludge Management - Focusing on Sludge Treatment Reed Beds
Larsen, J. D., Scheutz, C., Pilegaard, K., Pilegaard, K., Headley, T. & Molle, P.
Industrial PhD
01/08/2013 → 30/09/2017
Project: PhD

Quantification and critical analysis of resource flows in Denmark
Institut stipendie (DTU) Samf.
01/09/2012 → 29/09/2016
Project: PhD

Life cycle assessment of waste management: Assessing technical externalities
Brogaard, L. K., Christensen, T. H., Scheutz, C., Eriksson, O. N. & Olsen, S. I.
1/3 DTU-stip, 2/3 FUR/andet
01/09/2009 → 18/09/2013
Project: PhD

Life cycle assessment of emerging waste-to-energy technologies
Institut stipendie (DTU) Samf.
01/05/2009 → 27/03/2013
Project: PhD

Environmentally Sustainable Utilization of Waste Resources for Energy Production
Fruergaard, T., Christensen, T. H., Scheutz, C., Olsen, S. I. & Tillman, A.
1/3 DTU-stip, 2/3 FUR/andet
01/08/2006 → 21/04/2010
Project: PhD

Reduction of Greenhouse Gas Emissions from Landfills by use of Engineered Biocovers: Full Scale Studies
Fredenslund, A. M., Kjeldsen, P., Scheutz, C., Christensen, T. H., Börjesson, G. & Poulsen, T.
DTU, Samfinansiering
01/01/2006 → 26/05/2010
Project: PhD

Pilotprojekt til et frivilligt måleprogram for metanudledning fra biogas - og opgraderings anlæg.
Fredenslund, A. M. & Scheutz, C.
03/10/2015 → 20/11/2015
Project: Research

AVMiljø-Biocover: Reduktion af methanemission fra AVMiljø ved opbygning af biocover system. Forstudie
Skov, B. H., Scheutz, C. & Kjeldsen, P.
Ukendt
01/12/2008 → 01/07/2009
Project: Research

SET 5 PhD: Sustainable Environmental Technology. Application for 5 fellowships
Ukendt
01/10/2009 → 30/09/2013
Project: Research

1094: Undersøgelser af gasproduktion og emission på Ugerløse Losseplads
Scheutz, C.
Ukendt
15/12/2009 → 15/02/2010
Project: Research

908: Development of method for reporting emissions from waste disposal sites to the PRTR-register
Scheutz, C. & Kjeldsen, P.
Ukendt
01/12/2007 → 31/12/2008
Project: Research

792: Degradation of 1,1,1-TCA
Scheutz, C., Broholm, M. M. & Bjerg, P. L.
Ukendt
01/05/2007 → 31/12/2007
Project: Research

337: Development of remediation technologies for chlorinated solvents
Ukendt
05/12/2002 → 31/12/2006
Project: Research

340: Evaluation of the attenuation of (NMOCs) in the top cover of Grand’Landes landfill
Scheutz, C. & Kjeldsen, P.
Ukendt
01/08/2002 → 01/11/2003
Project: Research

303: Enhanced bioremediation of groundwater contaminants
Scheutz, C., Albrechtsen, H., Bjerg, P. L., Jakobsen, R. & Henriksen, K. B.
Ukendt
01/01/2000 → 31/12/2006
Project: Research

311: Attenuation of alternative foam blowing agents in landfill
Scheutz, C. & Kjeldsen, P.
Ukendt
01/03/2002 → 01/01/2004
Project: Research

Kærgård Plantage-afværge: Afværgestrategi for Kærgård Plantage.
Bjerg, P. L. & Scheutz, C.
Sam.arb.aftaler, Private danske - Andre virksomheder
09/05/2006 → 31/12/2006
Project: Research

Kjeldsen, P., Fredenslund, A. M., Søndergaard, G. L., Scheutz, C., Kjeldsen, P. & Kjeldsen, P.
Forsk. EU - Rammeprogram
01/08/2005 → 31/10/2008
Project: Research
Bjerg, P. L., Jakobsen, R. & Scheutz, C.
Samarb. aftaler - Amter og kommuner
15/09/2004 → 01/05/2005
Project: Research

433: Udvikling af deponeringsanlægget AV-Miljø - Et dynamisk samarbejde mellem AV-Miljø og Miljø & Ressourcer DTU.
Scheutz, C., Kjeldsen, P., Christensen, T. H., Pedersen, G. B. & Nedenskov, J.
Samarb. aftaler, Private danske - Andre virksomheder
01/05/2004 → 31/12/2005
Project: Research

371: Release of volatile trace gases from waste materials
Scheutz, C. & Kjeldsen, P.
01/09/1999 → 01/01/2004
Project: Research

548: Forundersøgelser i forbindelse med projekt til belysning af stimuleret in-situ reduktiv deklorering som afværgemetode overfor forurening med klorerede opløsningsmidler i moræneler på Rugårdsvej 234, Ø
Ukendt
01/12/2004 → 30/06/2006
Project: Research

Kbh. Amt, del B, Anaerob dechlorering: Development of microbially mediated remediation technologies and remediation of low permeable settings (AND)
Bjerg, P. L., Broholm, M. M., Christensen, S. B., Hansen, M. H., Scheutz, C. & Christiansen, C.
Ukendt
01/03/2005 → 31/12/2006
Project: Research

Determining the fraction of blowing agent released from refrigerator/freezer foam after decommissioning the product
Kjeldsen, P. & Scheutz, C.
13/12/2000 → 30/06/2001
Project: Research

Attenuation of non methane organic compounds (NMOCs) in landfill gas
Kjeldsen, P. & Scheutz, C.
01/01/1995 → 31/08/2001
Project: Research

Activities:

Development and validation of a method for determining VOCs by using multi-sorbent tubes and ATD-GC-MS
Duan, Z. (Guest lecturer), Kjeldsen, P. (Panel member), Scheutz, C. (Panel member)
4 Sep 2018 → 7 Sep 2018
Activity: Talks and presentations › Conference presentations

Remote sensing quantification of methane emissions from 10 biogas plants in Denmark and Germany
Fredenslund, A. M. (Guest lecturer), Scheutz, C. (Guest lecturer)
14 May 2018
Activity: Talks and presentations › Conference presentations

Remote sensing quantification of methane emissions from 10 biogas plants in Denmark and Germany
Fredenslund, A. M. (Guest lecturer), Scheutz, C. (Guest lecturer)
4 May 2018
Activity: Talks and presentations › Conference presentations

Brancheindsats for at minimere metantab. Kvantificering - metoder og usikkerhed
Fredenslund, A. M. (Guest lecturer), Scheutz, C. (Guest lecturer)
13 Mar 2018
Activity: Talks and presentations › Talks and presentations in private or public companies and organisations

Press clippings:

Hvor meget metan udleder danske biogasanlæg
Anders Michael Fredenslund & Charlotte Scheutz
11/06/2018
1 media contribution
Press/Media: Press / Media