

CV for Charlotte Scheutz (*1972)

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Degrees:

2002 PhD in Environmental Engineering, Technical University of Denmark
1998 MSc in Environmental Engineering, Technical University of Denmark



Positions:

2016- Professor, DTU Environment
2006-2016 Associate Professor, DTU Environment
2002-2006 Assistant Professor, DTU Environment
2001-2002 Research Assistant, DTU Environment

Research Area:

The research field is waste management and resource recovery covering waste characterization (with emphasis on household waste, garden waste, shredder waste, and sewage sludge), waste management technologies (with emphasis on landfilling, composting, and anaerobic digestion, wastewater and sludge treatment), material flow analysis and life cycle assessment of waste management technologies and systems. An expert field is quantification of gaseous emissions from facilities incl. landfills, biogas plants, composting facilities, wastewater treatment and sludge treatment plants, oil & gas and livestock production. Leader and participant in several research projects in collaboration with waste management companies, water utility companies, leading consulting companies, administrative bodies (Danish EPA, Danish EA, Danish Regions) and universities (international and national).

Distinctions and awards:

2015 Statoil Technology Award

Web of Science publications: 137; **Citations:** 4467; **h-index:** 36

Selected grants, 2012 – present (ongoing or finished):

2022- Observation System of Greenhouse Gas Sources and Sinks at the Landscape Scale for Verification of the Green Transition of Denmark. Independent Research Fund Denmark.
2021- KhaosGuard Novel gas sensors for remote sensing of greenhouse gas emission sources. Grand Solutions. Innovation Fund Denmark.
2023- Development and innovation of a new zero discharge willow wastewater treatment technology. MUDP
2021- Biofilters for reduction of methane from manure tanks and cattle barns (BIOMET). GUDP.
2021- Active reduction of greenhouse gases from wastewater treatment (ARES). MUDP
2021- Demonstration and assessment of an innovative landfill technology to accelerate completion and end of aftercare. AV Miljø and Innovation Fund Denmark.
2014- Implementation of biocovers at Danish Landfills. The Danish Environmental Protection Agency.
2021-2022 Measurement of methane emissions from manure tanks. The Danish Energy Agency.
2019-2021 Measurement of methane losses from biogas plants and mitigation options. The Danish Energy Agency.
2020-2020 Measurements of methane emissions from cattle farms, Kvægafgiftsfonden.

- 2019-2021 ROMEO – ROmanian Methane Emissions from Oil & Gas. UN Environment/Economy Division/Energy, Climate, and Tehcnology Branch. Project 1-b/c (01554): Climate and Clean Short-lived Climate Pollutants.
- 2018-2021 MEMO2: MEthane goes MOBILE – MEasurements and Modelling, Marie Skłodowska-Curie Actions (MSCA), Innovative Training Networks (ITN), H2020-MSCA-ITN-2016, MEMO2 – 722479.
- 2018-2020 Evaluation and reduction of methane emissions from different European biogas plant concepts (EvEmBi). ERA-NET Bioenergy, Joint call 11: Bioenergy - smart and flexible energy.
- 2016-2018 European harmonisation of methods to quantify methane emissions from biogas plants (MetHarmo). ERA-NET Bioenergy, Joint Call 9: Bioenergy concepts.
- 2013-2018 Optimisation of value chains for biogas production in Denmark (Bio Chain). The Danish Council for Strategic Research.
- 2013-2017 LaGas: Diagnostics, Monitoring and Mitigation of N₂O (Laughing Gas) Emissions from Wastewater Treatment Operations: Towards Climate Compatible Wastewater Technology. The Danish Council for Strategic Research.
- 2012-2016 Biowaste. A cross border collaboration project on biowaste management. INTERREG 4 A Southern Denmark-Schleswig-K.E.R.N.

Leadership experiences and boards/committees, selected

- 2020- Head of Section Climate & Monitoring at DTU Environment
- 2011-2020 Head of PhD Program at DTU Environment
- 2015-2020 Chairman of the DTU central PhD Program Committee Life Science
- 2011-2020 Member of the DTU central PhD Program Committee Life Science
- 2011-2013 Head of Section Residual Resource Engineering at DTU Environment
- 2011-2013 Member of Research committee at DTU Environment
- 2009-2010 Coordinator of the Solid Waste Research Group at DTU Environment

Supervision of PhDs, 2010 – present (supervisor and co-supervisor): 24

Scientific WoS publications:

- Vechi, N.T., Mellqvist, J., Samuelsson, J., Offerle, B., Scheutz, C., 2022. Ammonia and Methane Emissions from Dairy Farms in the San Joaquin Valley, using Mobile Optical Remote Sensing. *Atmospheric Science. In press.*
- Hrad, M., Huber-Humer, M., Reinelt, T., Spangl, B., Flandorfer, C., Innocenti, F., Yngvesson, J., Fredenslund, A., Scheutz, C. Determination of methane emissions from biogas plants, using different quantification methods. *Agricultural and Forest Meteorology*, 326, 109179.
- Vechi, N.T., Scheutz, 2022. Quantification of methane emissions from pig farms using the tracer gas dispersion method. *Agriculture, Ecosystems & Environment*, 330, 1.
- Vechi, N.T., Mellqvist, J., Scheutz, C. 2022. Quantification of methane emissions from cattle farms, using the tracer gas dispersion method. *Agriculture, Ecosystems & Environment*, 330, 107885.
- Delre, A, Hensen, A., Velzeboer, I., van den Bulk, P., Edjabou, M.E., Scheutz, C., 2022. Methane and ethane emission quantifications from onshore oil and gas sites in Romania, using a tracer gas dispersion method. *Science of the Anthropocene*, 10: 1.
- Menoud, M., van der Veen, C., Maazallahi, H., Hensen, A., Velzeboer, I., van den Bulk, P., Delre, A., Korben, P., Schwietzke, S., Ardelean, M., Calcan, A., Etiope, G., Baci, C., Scheutz, C., Schmidt, M., Röckmann, T. 2022. CH₄ isotopic signatures of emissions from oil and gas extraction sites in Romania. *Elementa: Science of the Anthropocene*, 10: 1.
- Kissas, K., Ibrom, A., Kjeldsen, P., Scheutz, C. 2022. Annual upscaling of methane emission field measurements from two Danish landfills, using empirical emission models. *Waste Management*, 150, 191-201.
- Kissas, K., Ibrom, A., Kjeldsen, P., Scheutz, C. 2022. Methane emission dynamics from a Danish landfill: The effect of changes in barometric pressure. *Waste Management*, 138, 234-242.

- Scheutz, C., Olesen, A.O.U., Fredenslund, A.M., Kjeldsen, P. 2022. Revisiting the passive biocover system at Klintholm landfill, six years after construction. *Waste Management*, 145, 92-101.
- Duan, Z., Scheutz, C., Kjeldsen, P. 2022. Mitigation of Methane Emissions from Three Danish Landfills Using Different Biocover Systems. *Waste Management*, 149, 156-167.
- Duan, Z., Kjeldsen, P., Scheutz, C. 2022. Efficiency of gas collection systems at Danish landfills and implications for regulations. *Waste Management*, 139, 269-278.
- Scheutz, C., Kjeld, A., Fredenslund, A.M. 2022. Methane emissions from Icelandic landfills – A comparison between measured and modelled emissions. *Waste Management*, 139, 136-145.
- Huang, J., Bekiaris, G., Fitamo, T., Scheutz, C., Bruun, S., 2021. Prediction of biochemical methane potential of urban organic waste using Fourier transform mid-infrared photoacoustic spectroscopy and multivariate analysis. *Science of The Total Environment*, 790, 147959.
- Duan, Z., Kjeldsen, P., Scheutz, C. 2021. Improving the analytical flexibility of thermal desorption in determining unknown VOC samples by using re-collection. *Science of the Total Environment*. 768.
- Lemming, C., Nielsen, M.T.S., Jensen, L.S., Scheutz, C., Magid, J. 2020. Phosphorus availability in sewage sludges and ashes in soils of contrasting pH. *Journal of Plant Nutrition and Soil Science*, 183(6), 682-694
- Ahmadi, N., Mosthaf, K., Scheutz, C., Kjeldsen, P., Rolle, M. 2020. Model-based interpretation of methane oxidation and respiration processes in landfill biocovers: 3-D simulation of laboratory and pilot experiments. *Waste Management*, 108, 160-171.
- Fjelsted, L., Scheutz, C., Christensen, A.G., Larsen, J.E., Kjeldsen, P. 2020. Biofiltration of dilute landfill gas in an active loaded open bed compost filter. *Waste Management*, 103, 1-11.
- Scheutz, C., Fredenslund, A.M. 2019. Total methane emission rates and losses from 23 biogas plants. *Waste Management*, 97, 38-46.
- Shah, A., Allen, G., Pitt, J.R., Ricketts, H., Williams, P.I., Helmore, J., Finlayson, A., Robinson, R., Kabbabe, K., Hollingsworth, P., Rees-White, T., Beaven, R., Scheutz, C., Bourn, M., 2019. A Near-Field Gaussian Plume Inversion Flux Quantification Method, Applied to Unmanned Aerial Vehicle Sampling. *Atmosphere*, 10 (7), 396.
- Sparrow, K.J., Chanton, J.P., Green, R.B., Scheutz, C., Hater, G.R., Claire Wilson, L., Abichou, T., 2019. Stable isotopic determination of methane oxidation: When smaller scales are better. *Waste Management*, 97, 82-87.
- Mønster, J., Kjeldsen, P., Scheutz, C. 2019. Methodologies for measuring fugitive methane emissions from landfills – A review. *Waste Management*, 87, 835-859.
- Bourn, M., Robinson, R., Innocenti, F., Scheutz, C. 2019. Regulating landfills using measured methane emissions: An English perspective. *Waste Management*. 87, 860-869.
- Aghdam, E.F., Scheutz, C., Kjeldsen, P. 2019. Impact of meteorological parameters on extracted landfill gas composition and flow. *Waste Management*. 87, 905-914.
- Fredenslund, A.M., Mønster, J., Kjeldsen, P., Scheutz, C., 2019. Development and implementation of a screening method to categorize greenhouse gas mitigation potential of 91 landfills. *Waste Management*, 87, 915-923.
- Matacchiera, F., Manes, C., Beaven, R.P., Rees-White, T.C., Boano, F., Mønster, J., Scheutz, C. 2019. AERMOD as a Gaussian dispersion model for planning tracer gas dispersion tests for landfill methane emission quantification. *Waste Management*, 87, 924-936.
- Rees-White T.C., Mønster, J., Beaven R.P., Scheutz, C., 2019. Measuring methane emissions from a UK landfill using the tracer dispersion method and the influence of operational and environmental factors. *Waste Management*, 87, 870-882.
- Fjelsted, L., Christensen, A.G., Larsen, J.E., Kjeldsen, P., Scheutz, C. 2019. Assessment of a landfill methane emission screening method using an unmanned aerial vehicle mounted thermal infrared camera – a field study. *Waste Management*, 87, 893-904.
- Scheutz, C., Kjeldsen, P., 2019. Guidelines for landfill gas emission monitoring using the tracer gas dispersion method. *Waste Management*, 85, 351-360.
- Fredenslund, A.M., Rees-White, T.C., Beaven, R.P., Delre, A., Finlayson, A., Helmore, J., Scheutz, C. 2019. Validation and error assessment of the mobile tracer gas dispersion method for measurement of fugitive emissions from area sources. *Waste Management*. 83, 68-78.
- Thomassen, T.B., Scheutz, C., Kjeldsen, P. 2019. Treatment of landfill gas with low methane content by biocover systems. *Waste Management*, 84, 29–37.
- ten Hoeve, M., Bruun, S., Jensen, L.S., Christensen, T.H., Scheutz, C. 2019. Life cycle assessment of garden waste management options including long-term emissions after land application. *Waste Management*. 86, 54-66.

- Lemming, C., Oberson, A., Jensen, L.S., Bruun, S., Scheutz, C., Frossard, E., Magid, J. 2019. Residual phosphorus availability after long-term soil application of organic waste. *Agriculture, Ecosystems and Environment*, 270, 65-75.
- Delre A., ten Hoeve M., Scheutz C., 2019. Site-specific carbon footprints of Scandinavian wastewater treatment plants, using the life cycle assessment approach. *Journal of Cleaner Production*, 211, 1001-1014.
- Fredenslund, A.M., Hinge, J., Holmgren, M.A., Rasmussen, S.G., Scheutz, C. 2018. On-site and ground-based remote sensing measurements of methane emissions from four biogas plants: a comparison study. *Bioresource Technology*. 270, 88-95.
- Nielsen, M.P., Yoshida, H., Raji, S.G., Scheutz, C., Jensen, L.S., Christensen, T.H., Bruun, S. 2019. Deriving environmental life cycle inventory factors for land application of garden waste composts under northern European conditions. *Journal of Environmental Modelling & Assessment*, 1-15.
- Larsen, J. D., Nielsen, S., Scheutz, C. 2018. Life Cycle Assessment comparing treatment of surplus activated sludge in a Sludge Treatment Reed Bed system with conventional centrifuge treatment. *Journal of Cleaner Production*, 185, 148-156.
- Delre A., Mønster J., Samuelsson J., Fredenslund A. M., Scheutz C., 2018. Emission quantification using the tracer gas dispersion method: the influence of instrument, tracer gas species and source simulation. *Science of The Total Environment*, 634, 59-66.
- ten Hoeve, M., Bruun, S., Naroznova, I., Lemming, C., Magid, J., Jensen, L.S., Scheutz, C. 2018. Life cycle inventory modeling of phosphorus substitution, losses and crop uptake after land application of organic waste products. *The International Journal of Life Cycle Assessment*, 23(10), 1950–1965.
- Samuelsson, J., Delre, D., Tumlin, S., Hadi, S., Offerle, B., Scheutz, C. 2018. Optical technologies applied with on-site and remote approaches for climate gas emission quantification at a wastewater treatment plant. *Water Research*, 131, 299-309.
- Yoshida, H., ten Hoeve, M., Christensen, T.H., Bruun, S., Jensen, L.S., Scheutz, C. 2018. Life cycle assessment of sewage sludge management options including long-term impacts after land application. *Journal of Cleaner Production*, 174, 538-547.
- Aghdam, E.F., Fredenslund, A.M., Chanton, J., Kjeldsen, P., Scheutz, C. 2018. Determination of gas recovery efficiency at two Danish landfills by performing downwind plume methane measurements and stable carbon isotope isotopic analysis. *Waste Management*. 73, 220-229.
- Delre A., Mønster J., Scheutz C., 2017. Greenhouse gas emission quantification from wastewater treatment plants, using a tracer gas dispersion method. *Science of the Total Environment*, 605–606, 258–268.
- Lemmig, C., Scheutz, C., Bruun, S., Jensen, L.S., Magid, J. 2017. Effects of thermal drying on phosphorus availability from iron-precipitated sewage sludge. *Journal of Plant nutrition and Soil Science*, 180, (6), 720–728.
- Gómez-Muñoz, B., Larsen, J.D., Bekiaris, G., Scheutz, C., Bruun, S., Nielsen, S., Jensen, L.S. 2017. Nitrogen mineralisation and greenhouse gas emission from the soil application of sludge from reed bed mineralisation systems. *Journal of Environmental Management*, 203, 59-67.
- Edjabou, M.E., Martín-Fernández, J.A., Scheutz, C., Astrup, T.F. 2017. Statistical analysis of solid waste composition data: Arithmetic mean, standard deviation and correlation coefficients. *Waste Management*, 69, 13-23.
- Larsen, J. D., Nielsen, S., Scheutz, C. 2017. Assessment of Danish Sludge Treatment Reed Bed system and a stockpile area, using substance flow analysis. *Water Science and Technology*, 76 (9), 2291-2303.
- Larsen, J. D., Nielsen, S., Scheutz, C. 2017. Gas composition of sludge residue profiles in a sludge treatment reed bed between loadings. *Water Science and Technology*, 76(9), 2304-2312.
- Reinelt T., Delre A., Westerkamp T., Holmgren, M.A., Liebetrau J., Scheutz C., 2017. Comparative use of different emission measurement approaches to determine methane emissions from a biogas plant. *Waste Management*, 68, 173–185.
- Larsen, J. D., Nielsen, S., Scheutz, C. 2017. Greenhouse gas emissions from the mineralisation process in a Sludge Treatment Reed Bed system: Seasonal variation and environmental impact. *Ecological Engineering*, 106, 279-286.
- Jensen, M. B., Møller, J., Mønster, J., Scheutz, C. 2017. Quantification of greenhouse gas emissions from a biological waste treatment facility. *Waste Management*, 67, 375-384.
- Jensen, M. B., Møller, J., Scheutz, C. 2017. 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. *Waste Management*, 66, 23-35.

- Fitamo, T., Triolo, J. M., Boldrin, A., Scheutz, C. 2017. Rapid biochemical methane potential prediction of urban organic waste with near-infrared reflectance spectroscopy. *Water Research*, 119, 242-251.
- Klinglmair, M., Vadenbo, C., Astrup, T.F., Scheutz, C. 2017. An MFA-based optimization model for increased resource efficiency: Phosphorus flows in Denmark. *Resources, Conservation and Recycling*, 122, 1-10.
- Fitamo, T., Treu, L., Boldrin, A., Sartori, C., Angelidaki, I., Scheutz, C. 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. *Water Research*, 118, 261-271.
- Scheutz, C., Cassini, F., De Schoenmaeker, J., Kjeldsen, P. 2017. Mitigation of methane emissions in a pilot-scale biocover system at the AV Miljø Landfill, Denmark: 2. Methane oxidation. *Waste Management*, 63, 203-212.
- Cassini, F., Scheutz, C., Skov, B. H., Mou, Z., Kjeldsen, P. 2017. Mitigation of methane emissions in a pilot-scale biocover system at the AV Miljø Landfill, Denmark: 1. System design and gas distribution. *Waste Management*, 63, 213-225.
- Aghdam, E.F., Scheutz, C., Kjeldsen, P. 2017. Assessment of methane production from shredder waste in landfills: The influence of temperature, moisture and metals. *Waste Management*, 63, 226-237.
- Naroznova, I., Møller, J., Scheutz, C. 2016. Global warming potential of material fractions occurring in source-separated organic household waste treated by anaerobic digestion or incineration under different framework conditions. *Waste Management*, 58, 397-407.
- Fitamo, T., Boldrin, A., Dorini, G., Boe, K., Angelidaki, I., Scheutz, C. 2016. Optimising the anaerobic co-digestion of urban organic waste using dynamic bioconversion mathematical modelling. *Water Research*, 106, 283-294.
- Bruun, S., Yoshida, H., Nielsen, M. P., Jensen, L. S., Christensen, T.H., Scheutz, C. 2016. Estimation of long-term environmental inventory factors associated with land application of sewage sludge. *Journal of Cleaner Production*, 126, 440-450.
- Edjabou, M.E., Petersen, C., Scheutz, C., Astrup, T.F. 2016. Food waste from Danish households: Generation and composition. *Waste Management*, 52, 256-268.
- Klinglmair, M., Zoboli O., Laner D., Rechberger H., Astrup T.F., Scheutz C. 2016. The Effect of Data Structure and Model Choices on MFA Results: A Comparison of Phosphorus Balances for Denmark and Austria. *Resources, Conservation and Recycling*, 109, 166-175.
- Fitamo, T., Boldrin, A., Boe, K., Angelidaki, I., Scheutz, C. 2016. Co-digestion of food and garden waste with mixed sludge from wastewater treatment in continuously stirred tank reactors. *Bioresource technology*, 206, 245-254.
- Naroznova, I., Møller, J., Larsen, B., Scheutz, C. 2016. Evaluation of a new pulping technology for pre-treating source-separated organic household waste prior to anaerobic digestion. *Waste Management*, 50, 65-74.
- Naroznova, I., Møller, J., Scheutz, C. 2016. Characterisation of the biochemical methane potential (BMP) of individual material fractions in Danish source-separated organic household waste. *Waste Management*, 50, 39-48.
- Jensen, M.B., Møller, J., Scheutz, C. 2016. Comparison of the organic waste management systems in the Danish-German border region using life cycle assessment (LCA). *Waste Management*, 49, 491-504.
- Yoshida, H., Nielsen, M. P., Scheutz, C., Jensen, L. S., Bruun, S., Christensen, T.H. 2016. Long-term emission factors for land application of treated organic municipal waste. *Environmental Modeling & Assessment*, 21(1), 111-124.
- Klinglmair, M., Lemming C., Jensen L.S., Rechberger H., Astrup T.F., Scheutz C. 2015. Phosphorus in Denmark: National and Regional Anthropogenic Flows. *Resources, Conservation and Recycling* 105 B (Special Issue: Losses and Efficiencies in Phosphorus Management), 311-324.
- Carlsson, M. Naroznovac, I., Møller, J., Scheutz, C., Lagerkvist, A. 2015. Importance of food waste pre-treatment efficiency for global warming potential in life cycle assessment of anaerobic digestion systems. *Resources, Conservation and Recycling*, 102, 58-66.
- Edjabou, M.E., Boldrin, A., Scheutz, C., Astrup, T.F. 2015. Source segregation of food waste in office areas: Factors affecting waste generation rates and quality. *Waste Management*, 46, 94-102.
- Edjabou, M.E., Jensen, M.B., Götze, R., Pivnenko, K., Petersen, C., Scheutz, C., Astrup, T.F. 2015. Municipal solid waste composition: Sampling methodology, statistical analyses, and case study evaluation. *Waste Management*, 36, 12-23.
- Mønster, J., Samuelsson, J., Kjeldsen, P., Scheutz, C. 2015. Quantification of methane emission from 15 Danish landfills using mobile tracer dispersion method. *Waste Management*, 35, 177-186.

- Mou, Z.S., Scheutz, C., Kjeldsen, P. 2015. Evaluating the methane generation rate constant (k value) of low-organic waste at Danish landfills. *Waste Management*, 35, 170-176.
- Mou, Z.S., Scheutz, C., Kjeldsen, P. 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. *Journal of the Air and Waste Management Association*, 65, (6), 686-698.
- Pantini, S. Verginelli, I., Lombardi, F., Scheutz, C., Kjeldsen, P. 2015. Assessment of biogas production from MBT waste under different operating conditions. *Waste Management*. 43, 37-49.
- Yoshida, H., Nielsen, M.P.; Scheutz, C., Jensen, L.S., Christensen, S., Nielsen, S, Bruun, S. 2015. Effects of sewage sludge stabilization on fertilizer value and greenhouse gas emissions after soil application. *Acta Agriculturae Scandinavica Section B-Soil and Plant Science*, 65, 506-516.
- Yoshida, H., Christensen, T.H., Guildal, T., Scheutz, C. 2015. A comprehensive substance flow analysis of a municipal wastewater and sludge treatment plant. *Chemosphere*. 138, 874-882.
- Yver-Kwok, C.E., Müller, D., Caldow, C., Lebegue, B., Mønster, J.G., Rella, C.W., Scheutz, C., Schmidt, M., Ramonet, M., Warneke, T., Broquet, G., Ciais, P. 2015. Estimation of waste water treatment plant methane emissions: methodology and results from a short campaign. *Atmos. Meas. Tech. Discuss.*, 6, 9181-9224.
- Mou, Z.S., Scheutz, C., Kjeldsen, P. 2014. Evaluating the biochemical methane potential (BMP) of low-organic waste at Danish landfills. *Waste Management*, 34, 11, 2251-2259.
- Mønster, J., Samuelsson, J., Kjeldsen, P., Rella, C.W., Scheutz, C. 2014. Quantifying methane emission from fugitive sources by combining tracer release and downwind measurements – a sensitivity analysis based on multiple field surveys. *Waste Management*, 34, 1416–28.
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- Yoshida, H., Clavreul, J., Christensen T.H., Scheutz, C. 2014. Influence of data collection schemes on the Life Cycle Assessment of a municipal wastewater treatment plant. *Water Research*, 56, 292-303.
- Yoshida, H., Mønster, J., Scheutz, C. 2014. Plant integrated measurement of methane and nitrous gas from a municipal wastewater treatment plant. *Water Research*, 61, 108-118.
- Yoshida, H., Christensen, T.H., Scheutz, C. 2013. Life cycle Assessment of Sewage Sludge Management – a review. *Waste Management and Research*, 31(11), 1083-1101.
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- Scheutz, C., Fredenslund, A. M., Chanton, J., Pedersen, G.B., Kjeldsen, P. 2011. Mitigation of methane emission from Fakse landfill using a biowindow system. *Waste Management*, 31(5), 1018-1028.
- Scheutz, C., Samuelsson, J., Fredenslund, A.M., and Kjeldsen, P. 2011. Quantification of multiple methane emission sources at landfills using a double tracer technique. *Waste Management*, 31(5), 1009-1017.
- Scheutz, C., Pedicone, A., Pedersen, G.B., Kjeldsen, P. 2011. Evaluation of respiration in compost landfill biocovers intended for methane oxidation. *Waste Management*, 31(5), 895-902.
- Scheutz, C., Fredenslund, A. M., Nedenskov, J., Samuelsson, J., and Kjeldsen, P. 2011. Gas production, composition and emission at a modern disposal site receiving waste with a low-organic content. *Waste Management*, 31(5), 946-955.
- Pedersen, G. B., Scheutz, C., and Kjeldsen, P. 2011. Availability and properties of materials for the Fakse Landfill biocover. *Waste Management*, 31(5), 884-894.
- Fredenslund, A.M., Scheutz, C., Kjeldsen, P. 2010. Tracer method to measure landfill gas emissions from leachate collection systems. *Waste Management*, 30, 2146-2152.
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- Scheutz, C., Mosbæk, H., Kjeldsen, P. 2004. Attenuation of methane and volatile organic compounds in landfill soil covers. *J Journal of Environmental Quality*, 33 (1), 61-71.
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- Scheutz, C., Kjeldsen, P. 2003. Capacity for biodegradation of CFCs and HCFCs in a methane oxidative counter gradient laboratory system simulating landfill soil covers. *Environmental Science and Technology*. 37 (22), 5143-5149.
- Scheutz, C., Bogner, J., Chanton, J., Blake, D., Kjeldsen, P. 2003. Comparative oxidation and net emissions of CH₄ and selected non-methane organic compounds in landfill cover soils. *Environmental Science and Technology*, 37 (22), 5150-5158.