Biological caproate production by Clostridium kluyveri from ethanol and acetate as carbon sources
Research output: Research - peer-review › Journal article – Annual report year: 2017

High efficient ethanol and VFAs production from gas fermentation: effect of acetate, gas and inoculum microbial composition
Research output: Research - peer-review › Journal article – Annual report year: 2017

Integrated production of cellulosic bioethanol and succinic acid from industrial hemp in a biorefinery concept
Research output: Research - peer-review › Journal article – Annual report year: 2016

Integrated production of cellulosic bioethanol and succinic acid from industrial hemp in a biorefinery concept
Research output: Research - peer-review › Journal article – Annual report year: 2016

Recent developments on biofuels production from microalgae and macroalgae
Research output: Research - peer-review › Journal article – Annual report year: 2016

Effect of pulse and continuous addition of oleate on microbial communities involved in anaerobic digestion process
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Effects of Benzalkonium Chloride, Proxel LV, P3 Hypochloran, Triton X-100 and DOWFAX 63N10 on anaerobic digestion processes
Research output: Research - peer-review › Journal article – Annual report year: 2015

The biodegradability of a feedstock is determining the optimal C/N ratios in anaerobic digestion
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Thermochemical pretreatments for enhancing succinic acid production from industrial hemp (Cannabis sativa L.)
Research output: Research - peer-review › Journal article – Annual report year: 2015

Unconventional biomasses as feedstocks for production of biofuels and succinic acid in a biorefinery concept
Research output: Research › Ph.D. thesis – Annual report year: 2015

An environmentally-friendly fluorescent method for quantification of lipid contents in yeast
Research output: Research - peer-review › Journal article – Annual report year: 2013

Bioaugmentation as a solution to increase methane production from an ammonia-rich substrate
Research output: Research - peer-review › Journal article – Annual report year: 2014

Bioaugmentation with a hydrogenotrophic methanogen: a powerful tool to overcome ammonia inhibition of anaerobic digestion process
Effective harvesting of the microalgae Chlorella protothecoides via bioflocculation with cationic starch.
Research output: Research - peer-review > Journal article – Annual report year: 2014

Potential of Jerusalem artichoke (Helianthus tuberosus L.) as a biorefinery crop
Research output: Research - peer-review > Journal article – Annual report year: 2014

Succinic acid production by fermentation of Jerusalem artichoke tuber hydrolysate with Actinobacillus succinogenes 130Z
Research output: Research - peer-review > Journal article – Annual report year: 2014

The dominant acetate degradation pathway/methanogenic composition in full-scale anaerobic digesters operating under different ammonia levels
Research output: Research - peer-review > Journal article – Annual report year: 2013

Effect of ammonium and acetate on methanogenic pathway and methanogenic community composition
Research output: Research - peer-review > Journal article – Annual report year: 2013

Extreme thermophilic ethanol production from rapeseed straw: using the newly isolated Thermoanaerobacter pentosaceus and combining it with Saccharomyces cerevisiae in a two-step process
Research output: Research - peer-review > Journal article – Annual report year: 2013

High effective harvesting of microalgae Chlorella protothecoides via flocculation with cationic starch
Research output: Research - peer-review > Poster – Annual report year: 2013

Life Cycle Assessment of a brown seaweed-based third-generation biorefinery process
Research output: Research - peer-review > Article in proceedings – Annual report year: 2013
**Enrichment of high ammonia tolerant methanogenic culture**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2013

**Immobilisation of an ammonia tolerant methanogenic consortium in high performance anaerobic digesters**
Research output: Research - peer-review › Poster – Annual report year: 2013

**Mikroorganismer kan øge gasudbyttet**
Fotidis, I., Karakashev, D. B. & Angelidaki, I. 2012 In : FIB - Forskning i Bioenergi, Brint & Brændselsceller. 9, 39, p. 17
Research output: Research - peer-review › Journal article – Annual report year: 2012

**Use of a newly isolated extreme thermophile for the production of 2nd generation bio-ethanol**
Research output: Research - peer-review › Poster – Annual report year: 2012

**Biomethanation and Its Potential**
Research output: Research - peer-review › Journal article – Annual report year: 2011

**Effect of xylose and nutrients concentration on ethanol production by a newly isolated extreme thermophilic bacterium**
Research output: Research - peer-review › Journal article – Annual report year: 2011

**Emerging Biological Technologies: Biofuels and Biochemicals**
Research output: Research - peer-review › Book chapter – Annual report year: 2011

**Enhanced bioenergy recovery from rapeseed plant in a biorefinery concept**
Research output: Research - peer-review › Journal article – Annual report year: 2011

**High rate algal biomass production for food, biochemicals and Biofuels: An Indo-Danish collaboration project.**
Research output: Research › Conference abstract for conference – Annual report year: 2011

**Long-term effect of inoculum pretreatment on fermentative hydrogen production by repeated batch cultivations: homoacetogenesis and methanogenesis as competitors to hydrogen production**
Research output: Research - peer-review › Journal article – Annual report year: 2011

**Thermophilic Biohydrogen Production**
Research output: Research › Book chapter – Annual report year: 2011

**Use of extremophilic bacteria for second generation bioethanol production**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2012
Effect of xylose and nutrients concentration on ethanol production by a newly isolated extreme thermophilic Thermoanaerobacter sp.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Engineered heat treated methanogenic granules: A promising biotechnological approach for extreme thermophilic biohydrogen production
Research output: Research - peer-review › Journal article – Annual report year: 2010

Production of bioethanol from wheat straw: An overview on pretreatment, hydrolysis and fermentation
Research output: Research - peer-review › Journal article – Annual report year: 2010

Xylose fermentation to biofuels (hydrogen and ethanol) by extreme thermophilic (70 C) mixed culture
Research output: Research - peer-review › Journal article – Annual report year: 2010

Anammox for ammonia removal from pig manure effluents: Effect of organic matter content on process performance
Research output: Research - peer-review › Journal article – Annual report year: 2009

A strict anaerobic extreme thermophilic hydrogen-producing culture enriched from digested household waste
Research output: Research - peer-review › Journal article – Annual report year: 2009

Bioaugmentation of an upflow biofilm biohydrogen producing reactors under extreme-thermophilic condition (70 degree C) for improvement fo the hydrogen yield and start up time
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

Biohydrogen production by anaerobic fermentation of waste: .Final Project Report STVF 2058-03-0020
Research output: Research › Report – Annual report year: 2009

Effect of post-digestion temperature on serial CSTR biogas reactor performance
Research output: Research - peer-review › Journal article – Annual report year: 2009

Effect of pulse and continuous addition of oleate on microbial communities involved in anaerobic digestion process
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

Engineered heat treated methanogenic granules (EHTG): a promising biotechnological approach for high rate extreme thermophilic (70 degrees C) biohydrogen production in expanded granular sludge bed (EGSB) reactors
Engineered heat treated methanogenic granules (ETHG): a promising biotechnological approach for high rate extreme thermophilic (70 degree C) biohydrogen production in expanded granular sludge bed (EGSB) reactor

Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2009

Ex-situ bioremediation of polycyclic aromatic hydrocarbons in sewage sludge

Research output: Research - peer-review › Journal article – Annual report year: 2009

High yield simultaneous biohydrogen and bioethanol production under extreme thermophilic (70 degree C) mixed culture environment

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

High yield simultaneous hydrogen and ethanol production under extreme-thermophilic (70 degrees C) mixed culture environment

Research output: Research - peer-review › Journal article – Annual report year: 2009

Microbial community structure of biohydrogen production process in extreme thermophilic conditions

Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

16S rRNA-targeted probes for specific detection of Thermoanaerobacterium spp., Thermoanaerobacterium thermosaccharolyticum, and Caldicellulosiruptor spp. by fluorescent in situ hybridization in biohydrogen producing systems

Research output: Research - peer-review › Journal article – Annual report year: 2008

Anaerobic biodegradation of fluoranthene under methanogenic conditions in presence of surface-active compounds

Research output: Research - peer-review › Journal article – Annual report year: 2008

Ex-situ bioremediation of polycyclic aromatic hydrocarbons in sewage sludge

Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

High-rate continuous hydrogen production by Thermoanaerobacterium thermosaccharolyticum PSU-2 immobilized on heat-pretreated methanogenic granules

Research output: Research - peer-review › Journal article – Annual report year: 2008

Innovative process scheme for removal of organic matter, phosphorus and nitrogen from pig manure

Research output: Research - peer-review › Journal article – Annual report year: 2008
Thermophilic fermentative hydrogen production by the newly isolated Thermoaerobacterium thermosaccharolyticum PSU-2
Research output: Research - peer-review › Journal article – Annual report year: 2008

Anaerobic biotechnological approaches for production of liquid energy carriers from biomass
Research output: Research - peer-review › Journal article – Annual report year: 2007

High-rate hydrogen production in up-flow anaerobic sludge blanket (UASB) using immobilized thermoaerobacterium thermosaccharolyticum strain PSU-2 with treated methanogenic granules
Research output: Research - peer-review › Poster – Annual report year: 2007

Removal of residual organic matter, phosphates and ammonium from thermofilically digested pig manure
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Acetate oxidation is the dominant methanogenic pathway from acetate in the absence of Methanosetaeaceae
Research output: Research - peer-review › Journal article – Annual report year: 2006

Evaluation of different lab-scale configurations for pig manure treatment (anaerobic codigestion, removal of organic matter and nutrients): A sustainable solution for pig manure treatment: Environmental compliance with the Integrated Pollution Prevention and Control directive (PIGMAN)
Research output: Research › Report – Annual report year: 2006

Research output: Research › Report – Annual report year: 2006

Strict anaerobic hyperthermophilic hydrogen producing culture enriched from digested household waste
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2006