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

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

Effective harvesting of the microalgae Chlorella protothecoides via bioflocculation with cationic starch.
Research output: Research - peer-review » Journal article – Annual report year: 2014

Research output: Research - peer-review » Report – 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

Bioaugmentation of an acetate-oxidising anaerobic consortium in up-flow sludge blanket reactor subjected to high ammonia loads
Research output: Research - peer-review » Conference abstract for conference – Annual report year: 2013

Bioaugmentation with an acetate-oxidising consortium as a tool to tackle ammonia inhibition of anaerobic digestion
Fotidis, I., Karakashev, D. B. & Angelidaki, I. 2013 In : Bioresource Technology. 146, p. 57-62
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 » Postera – 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
Life cycle assessment of biofuel production from brown seaweed in Nordic conditions
Research output: Research - peer-review › Journal article – Annual report year: 2013

Lipid profiles of yeast cells under different growth conditions
Research output: Research - peer-review › Poster – Annual report year: 2013

Microwave and thermal pretreatment as methods for increasing the biogas potential of secondary sludge from municipal wastewater treatment plants
Research output: Research - peer-review › Journal article – Annual report year: 2013

Succinic acid production from Jerusalem artichoke
Research output: Research - peer-review › Poster – Annual report year: 2013

Succinic acid production from Jerusalem artichoke
Research output: Research - peer-review › Paper – Annual report year: 2013

Thermoanaerobacter pentosaceus sp. nov., an anaerobic, extreme thermophilic, high ethanol-yielding bacterium isolated from household waste
Research output: Research - peer-review › Journal article – Annual report year: 2012

Thermoanaerobacter pentosaceus sp. nov., an anaerobic, extreme thermophilic, high ethanol-yielding bacterium isolated from household waste
Research output: Research - peer-review › Journal article – Annual report year: 2012

Alternative energy carriers for the transportation sector: Report prepared in framework of Øresund Ecomobility project
Research output: Research › Report – Annual report year: 2012

Bioaugmentation strategies of ammonia tolerant methanogenic consortia in continuous stirred tank reactors
Research output: Research - peer-review › Poster – Annual report year: 2013

Biohydrogen production from arabinose and glucose using extreme thermophilic anaerobic mixed cultures
Research output: Research - peer-review › Journal article – Annual report year: 2012

DSMZ 24726 for second generation bioethanol production
Research output: Research › Patent – Annual report year: 2012

Effect of continuous oleate addition on microbial communities involved in anaerobic digestion process
Research output: Research - peer-review › Journal article – Annual report year: 2012

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.

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

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
Ex-situ bioremediation of polycyclic aromatic hydrocarbons in sewage sludge

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

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

Microbial community structure of biohydrogen production process in extreme thermophilic conditions

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

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

Ex-situ bioremediation of polycyclic aromatic hydrocarbons in sewage sludge

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

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

Thermophilic fermentative hydrogen production by the newly isolated Thermoanaerobacterium thermosaccharolyticum PSU-2
High-rate hydrogen production in up-flow anaerobic sludge blanket (UASB) using immobilized thermoanaerobacterium thermostreptococcum 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 thermophilically 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 Methanosetaeces
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)
Karakashev, D. B. & Angelidaki, I. 2006
Research output: Research › Report – Annual report year: 2006

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