



Anaerobic Bioconversion for Sustainability

The Tenth World Congress on Anaerobic Digestion (AD10) will total three plenary lectures, nine invited key-notes, one hundred and eighty platform presentations and three hundred and eighty seven poster papers, in addition to two workshops related to agricultural waste issues and municipal solid waste management, and one round table on instrumentation and control in anaerobic digestion. These presentations are representative of the rather large and diverse scope of anaerobic process-related activities, from fundamental exploration to large-scale application, that occur around the world, as forty-eight different countries are represented.

PLENARY CONFERENCE

— (Monday 30 August 2004, 11:00):

WITH ANAEROBIC TREATMENT APPROACH TOWARDS A MORE SUSTAINABLE AND ROBUST ENVIRONMENTAL PROTECTION

Gatze Lettinga, Professor Emeritus at the University of Wageningen, Netherlands



“Anaerobic biodegradation processes, when properly integrated with complementary biological and physical methods, constitute the ideal route to a Sustainable Life Environment Protection and Agriculture. There still remain important questions to be elucidated. Therefore challenging interdisciplinary research is waiting to attain profitable process and technological innovations. Above all, conceptual innovations are needed, implying the substitution of the present highly centralized approach in the public sanitation sector by a holistic strategy based on decentralization, problem prevention, self-sufficiency, resource recovery and reuse, integrated with agriculture practices at or nearby the location, and participation of all people concerned.”

CONFERENCE REGISTRATION

Registration fees,

BEFORE July 12, 2004: Cdn\$850

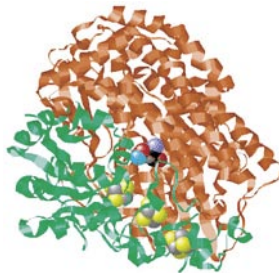
Students: Cdn\$500

AFTER July 12, 2004: Cdn\$950

Students: Cdn\$575

BIOHYDROGEN THROUGH DARK FERMENTATION

Interest for hydrogen in addition to methane as an end-product of waste anaerobic processing is growing, as indicated by the considerable amount of contributions on hydrogen fermentation, from various organizations around the world (Canada, China, Czech Republic, Denmark, Iran, Japan, Mexico, Netherlands, Singapore, South Korea, Taiwan, UK, USA ...)



“One potentially near-term practical process is to reconfigure anaerobic digestion to produce hydrogen-methane mixtures ... A selling point for this is that H₂-CH₄ mixtures significantly reduce air pollutants during combustion, compared with using pure methane as a fuel.” (Benemann 2001) — “Although the reactor technology for anaerobic digestion and biohydrogen production from

complex substrates may be similar, there are important microbiological differences ... ” (Hawkes 2002).

Key-note presentation on fundamentals of fermentative production of hydrogen, by Patrick Hallenbeck, on Tuesday 31 August 9:00

Three oral sessions dedicated to fermentative biohydrogen (totaling fourteen presentations) on Wednesday 1 September 2004 - see exact schedule on the web:

http://www.ad2004montreal.org/13-Oral_e.html.

Poster session IV (Thursday 2 September 2004) : 24 posters within the biohydrogen topics (see listing on the web:

http://www.ad2004montreal.org/13-Poster_e.html).

COMMERCIAL EXHIBITION

Exhibiting at AD10 represents excellent value for companies that supply anaerobic treatment facilities, scientific and technical equipment, services, and government institutions. Only **FOUR** booths left ... Don't wait to place your reservation for a booth ...

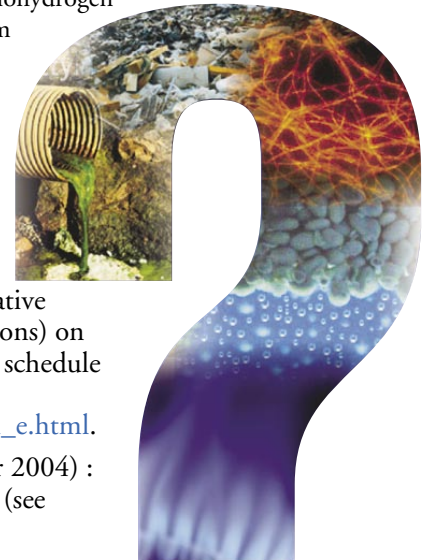
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**EARLY
REGISTRATION
CLOSES ON
12 JULY 2004**