

**POLISH-SWEDISH-UKRAINIEN SEMINAR
FUTURE URBAN SANITATION TO MEET NEW REQUIREMENTS
FOR WATER QUALITY IN THE BALTIC SEA REGION**

**17-19 October 2011, Krakow, Poland
Kraków, Hotel “Chopin” ul. Przy Rondzie 2, 31-000 Kraków**

Program

Monday, October 17th.

10.00-10.15

Opening of the seminar

10.15-10.40

E. Plaza, J. Mikosz (KTH/CUT)

The Visby Program – gains of 15 years research cooperation

10.40-11.05

B. Hultman (KTH).

Wastewater paradigm shift – From pollutant removal to resources recovery

11.05-11.30

B. Mrowiec, M. Kuglarz, J. Suschka (UBB)

Removal of selected organic pollutants in anaerobic wastewater treatment process

11.30-11.50 Coffee/Tea

11.50-12.15

M. Malovanyy, S. Huhlych (LPNU)

Theoretical and practical aspects of landfill leachate treatment

12.15-12.40

Z. Mucha, J. Mikosz, A. Generowicz (CUT)

A method for sustainability evaluation of small wastewater treatment systems

12.40-13.05

Y. Vystavna, Y. Vergeles, F. Stolberg (NAMEK)

Study of pharmaceuticals in a model urban river as potential molecular markers of wastewater effluents, their sources and socio-economic correlates (the city of Kharkiv, Ukraine)

13.05-14.30 Lunch

14.30-14.55

E. Hallmann, R. Tomczak-Wandzel, K. Mędrzycka (GUT)

Fate of LAS surfactant in WWTPs based on measured concentrations in wastewater and sludge

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14.55-15.20

J. Yang, J. Trela, E. Plaza (KTH)

Influence of aeration strategy on behavior of different microorganisms in deammonification process

15.20-15.40 Coffee/Tea

15.40-16.05

E. A. Malovanyy, E. Plaza, Y. Yatchyshyn, J. Trela, M. Malovanyy (KTH/LPNU)

Removal of nitrogen from the main stream of municipal wastewater treatment plant with combination of Ion Exchange and CANON process (IE-CANON) – effect of NaCl concentration

16.05-16.30

Grzegorz Cema, Aleksandra Ziemińska, Lesław Płonka1, Elżbieta Plaza (SUT/KTH)

Anammox process: what we know and where we are?

19.30-23.00 Dinner

Tuesday, October 18th.

9.00-9.25

L. Przywara, B. Mrowiec, J. Suschka (UBB)

Anaerobic treatment of municipal sewage in the psychrophilic conditions

9.25-9.50

S.M. Rybicki, M. Cimochoicz-Rybicka(CUT)

Impact of wastewater sludge composition on methane – rich biogas generation process

9.50-10.15

E. Levlin, L. Bengtsson, C. Baresel (IVL/KTH)

Extended solids retention process with sludge recirculation for increasing biogas production at anaerobic digestion

10.15-10.40

M.D. Gomelya, Y.V. Radovenchyk (KPI)

The research of activated sludge dewatering processes

10.40-11.05

R. Tomczak-Wandzel, J. Górniaczyk (GUT)

Anaerobic treatment of distillery wastewater

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11.05-11.25 Coffee/Tea

11.25-11.50

J. Gumnitsky, V. Sabadash, O. Matsuska, G. Tyzrbir (LPNU)

Complex water treatment of agroindustrial complexes before wastewaters discharge into the basins of rivers

11.50-12.15

M. Kuglarz, B. Mrowiec, J. Bohdziewicz (UBB)

Influence of kitchen biowaste addition on the effectiveness of animal manure digestion in continuous condition

12.15-12.40

M. Malovanyy, V. Starchevskyy, N. Vronska, I. Koval (LPNU)

Integrated adsorption and ultrasonic technology for water treatment processes

12.40-14.00 Lunch

14.00-14.25

T.A. Shabliy, E.V. Goltvianyskaya, M.D. Gomelya, (KPI)

Electrochemical processing of regeneration solution ion-exchange treatment of water to produce acids and alkalis

14.25-14.50

O. Khandogina, V. Barannik (NAMEK)

Studying walnut shell properties as natural adsorbent for treatment of oil-contaminated water

14.50-15.15 Coffee/Tea

15.30 City tour

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Wednesday, October 19th.

9.00-9.25

T. Stypka (CUT)

Critical review of municipal solid waste management models

9.25-9.50

A. Grodzka, L. Płonka, J. Ćwikła (SUT)

Determination of relationship among influent ammonia nitrogen concentration in activated sludge system and aerators worktime

9.50-10.15

J. Mikosz (CUT)

Simulating the effects of the introduction of membrane filtration at a municipal BNR plant

10.15-10.40

Y. Vergeles, F. Stolberg (NAMEK)

Modelling treatment performance of temperate climate constructed wetlands receiving municipal wastewater effluent

10.40-11.00 Coffee/Tea

11.00-11.25

A. Sochacki, J. Surmacz-Górska, K. Szafnicki (SUT/ENSM)

Start-up performance of constructed wetland microcosms for electroplating wastewater polishing

11.25-11.50

I.E. Kłosowska-Chomiczewska, K. Mędrzycka, E. Karpenko (GUT/LAS)

Biosurfactants – biodegradability, toxicity, efficiency in comparison with synthetic surfactants

11.50-12.15

A. Tamazashvili, M D.. Gomelya (KPI)

Effect of water characteristics, method of cation exchange resins modification with ferrous compounds on the efficiency of dissolved oxygen removal

12.15-12.40

R. Sultana., R. Zanzi (KTH)

Evaluation of the activated carbon produced from different precursors

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12.40-13.05

V.V. Rysuhin, T.A. Shabliy, M.D. Gomelya (KPI)

Sulphates and water hardness ions removal from the water in the demineralization process

13.05-13.30

M. Polus, R. Kocwa-Haluch (CUT)

Identification of *Cryptosporidium* sp. oocysts in water by modified immunomagnetic separation and RFLP-PCR

13.30-13.55

G. Beściak (SUT)

Biofilm as a basic life form of bacteria

13.55-14.00

Closing ceremony

14.00-15.30 Lunch