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UKRAINIAN – POLISH – SWEDISH SEMINAR

**FUTURE URBAN SANITATION TO
MEET NEW REQUIREMENTS FOR
WATER QUALITY IN THE BALTIC
SEA AND BLACK SEA REGIONS**

Yalta Ukraine, May 7-10, 2012.

UKRAINIAN – POLISH – SWEDISH SEMINAR
FUTURE URBAN SANITATION TO MEET NEW REQUIREMENTS FOR
WATER QUALITY IN THE BALTIC SEA AND BLACK SEA REGIONS

Yalta Ukraine, May 7-10, 2012.

Monday, May 7th.

10.00-10.10

Opening of the seminar

10.10-10.35

E. Plaza (KTH)

Future urban sanitation to meet new requirements for sea water quality

10.35-11.00

A. Tamazashvili, M. Gomelya (KPI)

Removal of dissolved oxygen from water using the sulphite form anion exchange resin

11.00-11.20 Coffee/Tea

11.20-11.45

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

Minimization of sewage sludge production – legislation, new technologies, applying

11.45-12.10

B. Mrowiec, L. Przywara, M. Kuglarz (UBB)

Anoxic and anaerobic wastewater treatment in presence of aromatic hydrocarbons

12.10-12.35

R. Tomczak-Wandzel, E. Levlin (GUT/KTH)

Biogas production from fish wastes in co-digestion with sewage sludge

12.35-13.00

M. Malovanyy, S. Huhlych, H. Sakalova, T. Vasylynych (LPNA)

Perspectives of bentonite clays application in the technology of heavy metal ions removal from industrial wastewaters

13.00-14.00 Lunch

14.00-14.25

M. Malovanyy, N. Vronska, H. Sakalova (LPNA)

On the use of natural sorbents for removal of microbial contaminants from water solutions

14:25-14:50

A. Węgrzyn, K. Miksch (SUT)

Competitive interactions among bacteria in bioaugmented activated sludge during oil-containing wastewater degradation

15.00 Coffee/Tea

19.30 Dinner

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Tuesday, May 8th.

9.00-9.25

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

Ammonium removal through biological processes of partial nitrification and Anammox from wastewater with increased salinity

9.25-9.50

A. Ziemińska, G. Cema, S. Żabczyński (SUT)

PCR-DGGE as a useful method for bacterial diversity monitoring in coke wastewater treatment

9.50-10.15

R. Sultana, E. Plaza, J. Trela (KTH)

One stage Deammonification process performance at low temperatures

10.15-10.40

G. Cema, J. Yang, P. Gutwiński, A. Ziemińska (SUT/KTH)

Start up of partial nitrification/anammox process from SBRs under different operation strategies

10.40-11.00 Coffee/Tea

11.00-11.25

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

Evaluating the effectiveness use of weak-acid cation exchanger DOWEX MAC-3 for cationic water softening

11.25-11.50

O. Khandogina, M. Zhylina (NAMEK)

Studying of carbonization process for adsorbent production from natural materials

11.50-12.15

M. Kryłów (CUT)

Polybrominated flame retardants in sewage sludge. (review)

12.15-12.40

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

Municipal sewage treatment in upflow anaerobic filter

13.00-14.00 Lunch

14.00-15.00 Discussion

15.00 Coffee/Tea

20.00 Dinner

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Wednesday, May 9th.

9.00-9.25

P. Sevola, E. Koskenniemi (Finland)

Implementation of water frame directive, maritime directive and flood directive in West Finland

9.25-9.50

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

Phenolic endocrine disrupting compounds in urban rivers: monitoring and application as wastewater tracers

9.50-10.15

J. Yang, J. Trela, K. Tjus, E. Plaza (KTH/IVL)

N₂O emission from a partial nitrification/anammox process in a Moving Bed Biofilm Reactor

10.15-10.40

I.E. Klosowska-Chomiczewska, E. Hallmann, K. Medrzycka, E. Karpenko (GUT/LPNU)

Environmental consequences of emulsifying properties of biosurfactant produced by *pseudomonas* sp.

10.40-11.00 Coffee/Tea

11.00-11.25

O. Goltvianyska, T. Shabliy, M. Gomelya (KPI)

Evaluating the effectiveness of anion exchange extraction of nitrates from aqueous

11.25-11.50

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

Treatment of effluents from soil remediation processes

11.50-12.15

T. Stypka, A. Flaga-Maryńczyk, J. Schnotale (CUT)

Multicriteria comparative analysis using ecolabeling procedure: refrigerator's selection case study

12.15-12.40

V. Barannik, A. Zherlitsyn (NAMEK)

Dynamic model of nutrients withdrawal at the open ponds for phytoplankton biomass production

12.40-13.00

E. Levlin (KTH)

Hammarby Sjöstadverket - An unique facility for research on future wastewater technology

13.00-14.00 Lunch

14.00-15.00 Panel discussion

15.00 Coffee/Tea

20.00 Dinner

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Yalta Ukraine, May 7-10, 2012.

Thursday, May 10th.

Study visit at Sevastopol National University

8.30

Departure from Hotel “Kichkine”

10.30-10.45

Arrival to Sevastopol

10.45-11.00

Meeting with the Rector of the University

11.00-11.15

Presentation of Visby programme – Prof. Elzbieta Plaza

11.15-13.15

Stroll around the University

13.15-14.00 Lunch

14.00-16.30

Tour around the city of Sevastopol and to Chersonese

16.30-17.00

Departure from Sevastopol

19. 00

Arrival to Hotel “Kichkine”

20. 00 Dinner