



Scientific Program

Sunday 4th of May 2008

- 09:00 - 15:00** Registration, Poster set-up, stand exhibition
- 16:00 - 18:00** **Opening ceremony (ISB)**
- 18:00 - 19:00** **Plenary Conference International Symposium on Biotechnology (ISB) ***
- 20:00** Buffet



* ProMembrane International Conference will be held within the frame of the **International Symposium on Biotechnology (ISB)**, which will take place from 4th to 8th of May at the Centre of Biotechnology of Sfax (see programme in the following link: <http://isb2008.cbstunisia.com/index.php>)



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031773

Monday 5th of May 2008



09:00-10:00 *Plenary Conference International Symposium on Biotechnology ISB*

10:00 – 10:15 **Opening ceremony and welcome** to PROMEMBRANE International Conference
Prof. Sami Sayadi
Head Laboratory Bioprocesses, Centre of Biotechnology at Sfax (Tunisia)



10:15 – 10:30 **Presentation of ProMembrane project**
Ms. Marisol Oropeza
Project Manager, ttz Bremerhaven (Germany)

10:30 – 11:00 - Coffee break -

11:00– 11:45 **Key Note Lecture: Current water scarcity situation in MENA countries: an overview**
Mourad Bino
INWRDAM (Jordan)



11:45– 12:30 **Key Note Lecture: Visualization and quantification of membrane properties at the nano-scale**
Prof. Nidal Hilal
Director of Centre for Clean Water Technologies The University of Nottingham (UK)



12:30 – 14:00 **Lunch**

14:00– 15:00 **Opening Fair and visit to the stands**

15:00 – 15:30

Nanotechnologies and membrane engineering at the core of water and related questions in Mediterranean and Middle-East countries

Prof. Gilbert M. Rios – Coordinator (France) - NanoMemPro
The European Network of Excellence on Membrane Technologies (EC/FP6/Priority NMP)



15:30 – 16:00 **Water recovery, reuse and advanced products formulations with integrated membrane operations.**
Enrico Drioli
Institute for Membrane Technology ITM-CNR, c/o University of Calabria (Italy)



16:00 – 16:10 **Young Scientist Award: Results and Certificate deliverance**

16:10 – 16:30 **Young Scientist Award North Africa: 3rd place**

Application of membrane bioreactors to treat cosmetic industrial wastewaters rich in anionic surfactants
Firas Feki (Tunisia)



16:30 – 17:00 - Coffee break -

17:00 – 17:20 **MBR technology: towards the search of an innovative and suitable wastewater treatment solution for isolated areas**

Miguel Ángel Orbaneja -
Bioazul S.L. (Spain)

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17:20 – 17:40 **Young Scientist Award Middle East: 3rd place**

Treatment of water with high (TDS , hardness , SO₄²⁻, and H₂S) by using Reverse Osmosis system and the problems (scaling salts) of membrane
Shadi Shaheen (Syria)

17:40 – 18:00 **PV-RO desalination stand-alone system in the village of Ksar Ghilène (Tunisia).**
M. Abdessalem ELKHAZEN (Tunisia)



18:00 – 18:30 **Panel discussion**
Moderator: Dr Drioli

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20:00 **Dinner**

Tuesday 6th of May 2008



09:00 – 09:30 Key Note Lecture: Membrane Bioreactor Technology: Design and Applications
Dr Tom Arnot
University of Bath (UK)



09:30 – 09:50 Young Scientist Award North Africa: 2nd place
Membrane bioreactor for the treatment of domestic wastewater in Egypt
Sally Ibrahim (Egypt)

09:50 – 10:10 Young Scientist Award Middle East: 2nd place
Membrane used for water treatment
Daad Hassan (Syria)



10:10– 10:30 Panel discussion
Moderator: Dr Schories

10:30 – 11:00 - Coffee break -



11:00– 11:20 Advancing membrane technologies for wastewater treatment and effluent reclamation in selected Arab Mediterranean and North African countries
Dr. Rashed Al-Sa'ed: Birzeit University (Palestine)

11:20– 11:40 Applying the MBR technology in wastewater treatment with reuse of wastewater on coastal areas in Croatia
Alena Vlastic: Water Management Institute (Croatia)



11:40– 12:00 Membrane operations for water purification
Dr. Alberto Figoli: Institute on Membrane Technology (ITM-CNR),Italy

12:00– 12:20 Current water scarcity situation in the Middle East
Prof. Adnan J. Ghata and Prof. Fouad Atallah
Director of Training &Development, Al-Baath University (Syria)



12:30 – 14:00 Lunch

14:00– 14:30 Membranes in the sanitation field
Barreto Leonelha
ttz Bremerhaven (Germany)



14:30– 14:50 Membrane bioreactor for wastewater treatment: overview and application in Egypt
Prof. Hussein Abdel-Shafy
Water Research & Pollution Control Dept., National Research Centre (Egypt)

14:50 – 15:10 Membrane operations for water purification
Dr. Alberto Figoli: Institute on Membrane Technology (ITM-CNR),Italy

15:10 – 15:30 Potential and examples for applications of membrane technology in water treatment
Dr. Gerhard Schories
Tech. Dir. Environmental Institute, ttz Bremerhaven (Germany)

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15:30 – 15:50 Young Scientist Award North Africa: 1st place
Anaerobic membrane bioreactor treatment of domestic and agro-industrial wastewaters in Tunisia
Ahlem Saddoud (Tunisia)

15:50 – 16:10 Young Scientist Award Middle East: 1st place
Optimization of membrane bioreactor system integrated with cross flow membrane filtration
Mohammad Issa (Syria)

16:10 – 16:30 Panel discussion
Moderator: Dr Rashed Al-Sa'ed



16:30 – 17:00 - Coffee break -

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17:00 – 17:30 Conclusions and Closing of the Conference



**PRO
MEMBRANE**

Promotion and Focussing of Current Research Activities of Membrane
Technology in Water Treatment in the Mediterranean Region

International Conference

Sfax Fair, 4th-6th May 2008

Centre de Biotechnologie de Sfax

Wednesday 7th and Thursday 8th of May 2008

Continuation of the International Congress of Biotechnology
at the Centre of Biotechnology of Sfax