



Nanochemistry and Clean Water: A Hands-On Introduction

2 - 3 December 2009

Organized by

The Photoenergy Centre and NanoPhotochemistry and SolarChemistry Lab,

Department of Chemistry, Faculty of Science

In collaboration with Social Services and Environmental Affairs Sector

Under the auspices of Prof. Dr. M. S. Salama

Venue: Photoenergy Center, Seminar Hall and Labs

Day 1: Wednesday 2 December 2009 [Starts at 9:00]

Registration [Photoenergy Center, Faculty of Science]

Opening Welcome, Orientation, and Renewable: Opportunities [[Prof. Sabry Abdel-Mottaleb]

- Clean Water and Energy Problem: An Overview

1- Nanochemistry Overview [Prof. Sabry Abdel-Mottaleb]

2- Applications of Nanotechnology for water treatment

[Dr. Mohamed Abdel-Mottaleb, Nile University & SabryCorp]

- Funding Opportunities: RDI Role

[Dr. Yasser El-Shayb]

- Break

- Water Resources, Evaluation, Security, Scarcity and Mapping

[Prof. Magdy El-Sayed]

- Photocatalysis and Clean Water

[Dr. Mona Saif and Dr. Hoda Hafez]

- Water Analysis: Hands - on Experiments

[Dr. Hosam Shawky and Dr. Moustafa Saeed]

End of the Day 1: 15:00 H

Day 2: Thursday 3 December 2009 [Starts at 9:00 am]

- Desalination Technologies

[Dr. A. Al-Assar, DRC]

- Pollution of Water Resources and Methods of Treatments

[Dr. Hosam Shawky, DRC]

- Instrumentation [Supervised by Prof. M. Abo Ali]

- Spectroscopic Analytical Tools

1- Basics of Fiber Optics Spectrophotometers and Spectrofluorometers [Dr. Hoda Hafez]

2- Demonstration [Hoda Hafez and Mona Saif]

- Reactors and Equipment for treatment and characterization

1- Water Disinfection [Dr. Hoda Hafez]

2- Spectroscopic Tools [Dr. Esam Bakier]

3- Demonstration Experiments [Dr. Mohamed Said]

- Discussions, Conclusions and Distribution of Certificates

End of the Day 2: 15:00 H

For Scientific Program Contact the Chairman: Prof. Dr. Sabry Abdel-Mottaleb

solar@photoenergy.org

Mobile: 010 168 6244, Fax: 26389725

For Registration Contact: Conference Secretariat at: 010 359 6066 Or 014 153 4022