

## **Themes**

1. Water Resources in Arid Regions
2. Domestic Water Conservation
3. Water Conservation in Agriculture
4. Water Conservation in Industry
5. Water Reuse
6. New Technologies in Water Conservation
7. Economics of Water Conservation
8. Education, Culture and Media Role in Water Conservation

Time	Monday - October 12, 2009	
08:00 - 10:00	Registration - Lobby	
10:00 - 11:00	Opening Ceremony - Venue: Main Hall	
11:00 - 11:30	Break	
11:30 - 12:30	Keynote Talk 1	
	Risk-Based Decision Support Methodologies for Near Real-Time Management of Water Distribution Systems Dragan Savic	
12:30 - 01:30	Break	
	Session 1A: THEME 5 Venue: Hall 1	Session 1B: THEME 3,6, and 7 Venue: Hall 2
01:30 - 01:45	Textile Industry Water Reuse after Bioremediation to Remove Toxic Organic Wastes  Abd El-Rahim, Wafaa M. Hassan Moawad	Morphological processes of Blue Nile River between Roseires and Sinnar  Ali, Yasir Salih Ahmed Alesandra Crosato
01:45 - 02:00	Nanostructured Gold Surfaces for Monitoring Water Quality Using Surface Enhanced Raman Scattering Techniques Abdelsalam, Mamdouh E. Iqbal M.I. Ismail; Phil N. Bartlett; Jeremy J. Baumberg	Extraction-Injection System for Saline Groundwater Desalination in Sharm El Sheikh  Awwad, Ramadan .A. T.N.Olsthoorn; Y. Zhou; Stefan Uhlenbrook; Ebel Smidt
02:00 - 02:15	Innovative Bio-approach For Economic And Efficient Sewage And Industrial Effluents Remediation  Abou Seeda, M. M. Abdel- Sabour; E.A.A. Abou El-Nour	Using Airborne Geophysical Survey for Exploring and Assessment of Groundwater Potentiality in Arid Regions  Dawoud, Mohamed A.
02:15 - 02:30	Use of Waste Water for Aquaculture: an Experimental Field Study at Bahr El Baqar Drain, Egypt  Abou-EIElla, Salwa M. Mohamed F. Bakry	Diagnose Analysis and Institutional Appraisal for Operation of Improved Control Structures in Egypt  El-Kassar, Gamal Mohamed
02:30 - 02:45	Break	
	Session 2A: THEME 3 , 6 and 7 Venue: Hall 1	Session 2B: THEME 5 Venue: Hall 2
02:45 - 03:00	Managing Water Demands Downstream Aswan High Dam: Case Study River Nile First Reach (Aswan – Esna) Sadek, Nahla Yasser Raslan	Groundwater Harvesting to Help Reuse Irrigation water for Increasing Both Food and Environmental Security in Arid Environment  Asghar, Muhammad Nadeem Ismail Farah Hirsi; Zahid Saeed
03:00 - 03:15	Strategic Plans for Sugar Cane Cultivation in Upper Egypt Towards the Implementation of Rational Water Use  Abdin, Alaa E. Shaban Salem	Chromium Removal from Aqueous Solutions Using Carbon Nanotubes  Atieh, Muataz Tahar Laoui; Aziah Mohamad; Suleyman Aremu
03:15 - 03:30	Managing Groundwater: A Water and Electricity Quota Approach Zekri, Slim Ali Naifer	Reusing of Industrial Wastewater after Bioremediation of Textile Dyes Residues  Darwesh, Osama M. Wafaa M. Abd El-Rahim; Hassan Moawad
03:30 - 03:45	Utilization of Brackish and Canal Water for Reclamation and Crop Production  Zaka, M. A. H. Schmeisky; N. Hussain; H. U. Rafa	Radiation-Induced Chemical Reduction of Cr(VI) in Aqueous Solutions. Preliminary Study of the Removal of Heavy Metals from Industrial Wastewater  Djouider, Fathi
03:30 - 04:00	Break	

	Session 3A: THEME 8	Session 3B: THEME 5
	Venue: Hall 1	Venue: Hall 2
04:00 - 04:15	Rationalization of Water Consumption is a Legitimate Request: students' experience of Home economic College at King Abdul Aziz University (in Arabic)  Abdel-Wahab, Huda Galal	Removal of Organic Pollutants from the Industrial Wastewaters by Electro-Fenton's Oxidation  Ghoneim, Mohamed M.; Ragaa El-Sheikh; Hanaa S. El-Desoky; Naglaa M. Zidan
04:15 - 04:30	Water Conservation: Towards an Ethical Framework  Bakhabkhi, Yousef	Water Resources and Reuse in Al-Madinah  Gutub, Saud A. Abdullah S. Alghamdi
04:30 - 04:45	Water Crisis, Sustainable Use and the Role of Education and Social Socialization. (in Arabic)  Benhlal, Mohamed	Management techniques to use saline water for irrigation in Arab Peninsula Hussain, Nazir Naseer Salim Al-Wahaibi; Salim Al-Rasbi; Osman Ahmad El-Sharief; Ghanim Abdul Rehman
04:45 - 05:00	Water Use Ethics: A Tool for Sustainable Water Resources Management in the Arab Region  Hefny, Magdy A.	Grey water Treatment and Reuse for Poverty Reduction; Financial and Economical Analysis: The case of Al Amer Villages at Karak Governorate in Jordan  Hussein, Iyad A.J. Shahab Al Bairouti

Time	Tuesday - October 13, 2009	
08:00 - 09:00	Registration - Lobby	
09:00 - 10:00	<p align="center"><b>Keynote Talk 2 - Venue: Main Hall</b></p> <p><b>Flow, Contaminant and Thermal Energy Transport in Integrated Surface-Subsurface Flow Systems: Model Applications over Multiple Spatial and Temporal Scales</b></p> <p><b>Edward Sudicky</b></p>	
	<p align="center"><b>Session 4A: THEME 2</b></p> <p align="center"><b>Venue: Hall 1</b></p>	<p align="center"><b>Session 4B: THEME 1</b></p> <p align="center"><b>Venue: Hall 2</b></p>
10:00 - 10:15	Analytical Study of the Influence of Price and Non-Price Factors in the Rationalization of Residential Water Consumption in Saudi Arabia (in Arabic) <i>AlKahtani, Safar H.</i>	Water Resources in Sinai Peninsula, Egypt. <i>Abd allah, Gamal</i>
10:15 - 10:30	Application of Multicriteria Analysis for Sustainable Management of Water Resources in the Disi Basin – Jordan <i>Al-Zu'bi, Yasin</i> <i>Jarrah Al-Zu'bi; Samih Abubaker</i>	Development of an early warning system for flash floods in Wadi Watier <i>Abdelkhalek, A.</i> <i>W. Bauwens, J. Cools, M. Al-Sammany</i>
10:30 - 10:45	Analytical Study of the Mechanisms of the Rational Use of Household Water in Egypt (in Arabic) <i>Batisha, Ayman F.</i> <i>Nadia Eshra</i>	Groundwater Exploration in Gifgafa Area, Central Sinai, Egypt <i>Abdel-Raouf, Osama</i> <i>Gamal Abdallah, Shawki Sami</i>
10:45 - 11:00	The Role of Women in the Conservation of Water Consumption in the Home (in Arabic)  <i>Turky, Reem</i>	Geo-Electrical Data Analysis for Groundwater Evaluation in an Arid Area: A Case Study from the Lower Part of Wadi Meifaah, Yemen <i>Abu-Lohom, N.</i> <i>Al-Amry, A.</i>
11:00 - 11:30	Break	
	<p align="center"><b>Session 5A: THEME 3</b></p> <p align="center"><b>Venue: Hall 1</b></p>	<p align="center"><b>Session 5B: THEME 1</b></p> <p align="center"><b>Venue: Hall 2</b></p>
11:30 - 11:45	Advanced Technology for Enhancing Water Use Efficiency and Saving Water for Rice in North Delta, Egypt <i>Abd El-Hafez, S. A.</i> <i>A.Z. El -Bably</i>	Designing a Novel Fog-Water Conversion System by Mimicking Desert Beetle  <i>Ahmad, Zaki</i> <i>Faheemuddin Patel</i>
11:45 - 12:00	Increase the Efficiency of Irrigation Water by Simulating the Planting Design in Landscape Projects to the Natural Vegetation in Dry Areas (in Arabic)  <i>Abdullah M.F. Ghazal</i>	Hydrogeochemistry and Quality Assessment of Groundwater in an Arid Area: A Case Study from the Lower Part of Wadi Siham Basin, Tihama Coastal Plain, Yemen  <i>Al-Amry, Abdulmohsen</i> <i>Naif M. Abu-Lohom</i>
12:00 - 12:15	Effect of Zeolite and Water Stress on Barley Irrigated with Sub-surface Dripper in Hot Environment  <i>Al-Busaidi, Ahmed</i> <i>Tahei Yamamoto; Torahiko Tanigawa</i>	Effect of Bearings on Pump Performance for Water Saving in Arid Regions  <i>S. M. Abdel-Rahman</i> <i>Sami A. A. El-Shaikh</i>
12:15 - 12:30	Effect of Compost Application and Irrigation Intervals on Soil Properties and Wheat Grain Yield in Clayey Soils  <i>Wanas, Sh.A. Ebtisam, I. El-Dardiry,</i> <i>S.M. Shabaan</i>	Hydrology and Water Harvesting Techniques of Wadi Muheiwir Catchment Area-The case study of Jordan  <i>Al-Zu'bi, Jarrah</i> <i>Yasin Al- Zu'bi, Samih Abubaker</i>
12:30 - 01:30	Break	

	Session 6A: THEME 3	Session 6B: THEME 1
	Venue: Hall 1	Venue: Hall 2
01:30 - 01:45	Evaluation of an Automatic Irrigation System Compared to Manual Irrigation Using Wheat Plants  Boutraa, Tahar ; Abdellah Akhkha; Abdulkhalik Alshuaibi; Ragheid Atta	Climate Modification Research for Desert Development: III. Analysis of Asian Deserts' Simulation Results  Anwar, Nabil M.
01:45 - 02:00	The Effect of Terracing on Soil and Water Conservation and Growth of Juniperus procera Hochst. ex Endlicher in the Sarawat Mountains in South Western Saudi Arabia  El Atta, H. A. ; I. M. Aref	Hydrological Regime and Erosion: Case Study of Algeria  Belouar, Abdelghani ; Amel Laraba
02:00 - 02:15	Enhancing Field Water Use Efficiency of Rice Planting Grown Under Sprinkler Irrigation at North Delta, Egypt  El-Bably, A.Z. S.A. Abd El-Hafez; A. A. El-Sabbagh; E.I.Abou-Ahmed	Water Resources and Drought Issues in Inaouene Watershed, Morocco (in Arabic)  Brika, Mounia Lahcen Benaabidate
02:15 - 02:30	Reducing Water Loss in the Rice Fields by Allelopathic Control of Weeds  Elhaak, M. A. ; A.S. Abd El-Wahab; A.E. Draz; H.A. El-Sherbiny	Hydrochemical Potentiality of Water Resources for Agricultural Development in Bahariya Oasis, Egypt  Darwish, Khaled Mohamed
02:30 - 02:45	Break	
	Session 7A: THEME 3	Session 7B: THEME 1
	Venue: Hall 1	Venue: Hall 2
02:45 - 03:00	Water Use Efficiency of Egyptian clover Productivity as Affected by Irrigation and Nitrogen Foliar Application  El-Sabbagh, A.A.; S.A. Abd El-Hafez; A.Z. El-Bably; E.I. Abo-Ahmed; M.M. Abdallah	Sustainable Development via Optimal Integrating of Surface and Groundwater in Arid Environment: Nile River Quaternary Aquifer Case Study  Dawoud, Mohamed A. Hatem Abdel Rahman Ewea
03:00 - 03:15	Impact of Boron Fertilizer on Growth and Chemical Constituents of Taxodium distichum Grown Under Water Regime  Mazher, Azza A.M.	Water Resources in Kerala state (South India): Problems and Solutions  Paimpillil, Joseph Sebastian
03:15 - 03:30	Saving Water Using Sub-irrigation Water in Sandy Soil by Barrier of Porous $\alpha$ Layers  Ould Ahmed, B.A. M. Inoue	Studies of Al Asfar & Al Uyoum Evaporation Lakes Water Quality and the Potential of Its Reuse in Agriculture Activities, Al Hassa Area, KSA  El Mahmoudi, A.S. M.A. Massoud, Y.Y. Al-Dakheel, A.H.A. Hussein
03:30 - 03:45	Integrated LANDSAT ETM+ and Remote Sensing Techniques for Environmental Change Monitoring  Ebaid, Hala M. Medhat Aziz	Flood Control and Water Management in Arid Environment: Case Study on Wadi Hagul, Gulf of Suez Region, Egypt  EL-Rayes, A. E. Geriesh, M.H, and Omran, A. F.
03:45 - 04:00	BREAK	

	<b>Session 8A: THEME 3</b>	<b>Session 8B: THEME 1</b>
	<b>Venue: Hall 1</b>	<b>Venue: Hall 2</b>
04:00 - 04:15	Water Distribution Patterns of Drip Irrigation in Sandy Calcareous Soil As Affected by Discharge Rate and Amount of Irrigation Water  Ragheb, H.M.A M.A. Gameh; S.A. Ismael; N. A. Abou Al-Rejal	Harvesting of Flash Floods Water, Case Study: Wadi Watier, Egypt  Farid, M. Samir Gamal Kotb
04:15 - 04:30	Rhizosphere Bacteria Capable of Producing ACC-deaminase Confer Drought Tolerance in Wheat and Cotton Grown Under Semi-arid Climate  Shakir, Masood Ahmad Asghari Bano; Muhammad Arshad	Harvesting Runoff from Rainfall for Groundwater Recharge in Saudi Arabia  Ghazaw, Yousry M.
04:30 - 04:45	Effect of Different Sources of Fertilizers and Water Regime on Fodder Beet  Yassen, A.A.	Drinking water situation in the coastal western Algeria  Ghodbani, Tarik Lesгаа Musa
04:45 - 05:00	Microbial ACC-deaminase - an Innovative Approach for Improving Water Use Efficiency in Peas (Pisum sativum)  Zahir, Zahir Ahmad; Aneela Munir; Muhammad Naveed; Muhammad Arshad	Evaluation of Satellite-Based Estimation Techniques for Improving Rainfall Monitoring as a Potential Water Resource in Arid Areas  Habib, Emad
<b>05:00 - 06:00</b>	<b>Poster Session - Venue: Main Lobby</b>	

Time	Wednesday - October 14, 2009	
09:00 - 10:00	Keynote Talk 3 - Venue: Hall 1	
	Session 9A: THEME 4 & 5	Session 9B: THEME 1
	Venue: Hall 1	Venue: Hall 2
10:00 - 10:15	Modern Wastewater Treatment Technologies for Better Treatment and Water Reuse Radideh, Jamal Kamel Alzboon; Omar Quteishat	West Delta Water Conservation Project Water Management Ismail, Sherine S.
10:15 - 10:30	Water Reuse Applications & Planning Systems in Arid Areas Saleh, Hussain Aziz Georges Allaert	Depletion Analysis and Low Flow Prevision in the North West of Algeria Kaabi, Abdennacer Maiza Asma
10:30 - 10:45	Reuse of Treated Water in Concrete Making and Its Effect on Concrete Properties  Saricimen, H. M. Shameem; M. Barry; M. Ibrahim	The Disparities of the Temporal and Spatial Extent of the Changes of the Solid Particles, and Its Relation to Rainfall and the Surface Water Flow in the Basin Oued Rhumel (in Arabic)  Khetib, Yacine Khalfaoui Fouzia
10:45 - 11:00	Systematic Technical Procedure for Well Rehabilitation at Talbia, Eastern Company, Giza, a Case Study Mahmoud, Saber	The Impact of Water Conservation and Compost on Yield and Quality of Beans (Phaseolus vulgaris L.)  Samih Abubaker, Yasin Alzu'bi, Hazem Hasan and Jarrah Al-Zu'bi
11:00 - 11:30	BREAK	
	Session 10A: THEME 4	Session 10B: THEME 1
	Venue: Hall 1	Venue: Hall 2
11:30 - 11:45	Comparison between Crossflow and Immersed Membrane Processes when Treating Petroleum Refinery Wastewater Al-Malack, Muhammad H. Alaadin A. Bukhari; Atique A. Mian	Validity of Lake Manzala Water for Land Reclamation and Crop Production  Rashid, Ahmed Akram El Ganzori and Mona Faisal
11:45 - 12:00	Anaerobic-anoxic Wastewater Stabilization Ponds Has a Good Efficiency in Treating Petroleum Refinery Wastewater Almasi, Ali ; M. Malakootian; A. H. Hashemian; Djalal-Al-Ddin Shahbaz	Discussion of the Solutions of Water Problems in Arid Regions from the Engineering Method Perspective (in Arabic)  Rushdi, Ali Muhammad Ali
12:00 - 12:15	Water Conservation Practice in a Dairy Processing Plant, EGYPT  Gharieb, Salem Abd El Ghani	The Importance of Managed Aquifer Recharge for Water and Environmental Protections  Saleh, Hussain Aziz; Georges Allaert
12:15 - 12:30	Decolorization and Mineralization of Brilliant Golden Yellow (BGY) by Fenton and Photo-Fenton Processes  Habib, Ahsan Iqbal M. I. Ismail; Abu Jafar Mahmood; M.Rafiqueullah	The Application of Compound-Specific Carbon and Chlorine Stable Isotope for Fingerprinting Sources of Chlorinated Compounds in Groundwater  Shouakar-Stash,Orfan; Ramon Aravena, Daniel Hunkeler and Brian Bjorklund
12:30 - 01:00	BREAK	
01:00 - 02:00	Closing Remarks - Venue: Hall 1	

No.	Poster Presentations
P.1	Water Status in the Kingdom of Saudi Arabia:Un-neglected Crisis: Water Status in Najran Region as Study Case. <a href="#">Al-Ghobari, Hussein</a>
P.2	Water Quality Management: A Case Study, Wadi Al-arj, Al-Ta'if Area <a href="#">Ibrahim, Bushra; Al-Malack, Muhammad</a>
P.3	Assessment of Water Resources Quality at the Southeastern Part of the Nile Delta, Egypt <a href="#">Abdallah El Fakharany, Mohammad; M. Mansour Nehad</a>
P.4	Groundwater Recharge in Limestone Terrain in Arid Environment <a href="#">Abdel Rahamn Hatem, Alamey Nassar</a>
P.5	Water Management Strategies through Groundwater Modeling in Al Qassim Region <a href="#">Al-Salamah Ibrahim, Ghazaw Yousry, Ghumman Abdul Razzaq</a>
P.6	Study of Groundwater Chemical Characteristics and Suitability in Western Nile Delta Aquifers, Egypt <a href="#">Atta samir, khallaf karema</a>
P.7	A Comparative Study of Irrigation Water Quality of Different Groundwater Sources in some Western Desert Oases in Egypt, <a href="#">Aly, Anwar</a>
P.8	Theoretical Approach- for Using Solar Still to Provide Plant Water Requirement <a href="#">Abdel-Rahman, Gamal Mansour</a>
P.9	On-Farm Irrigation Water Management in the Nile Delta <a href="#">Abou El Hassan, Waleed H., Inoue Mitsuhiro, Kitamura Y.</a>
P.10	Response of Nonnodulating, Nodulating and Supernodulating Soybean (Glycine Max L.) Genotypes to Potassium Fertilizer Under Water Stress <a href="#">Abdelhamid, Magdi; Kamel, Hedaya; Dawood, Mona</a>
P.11	The Technical Feasibility Assessment of Agricultural Drainage Water Reuse "at Farm Irrigation Courses Level (Mesqaa Canals) <a href="#">ElGanzori, Akram; Mahrous, Yasser; ElKasar, Gamal; Essa, Mohamed</a>
P.12	Investigation of Thermal Performances of a Cooling Tower Using Vertical Grid Packing <a href="#">Boumaza, Mourad</a>
P.13	Removal of Cu (II) and Cd (II) ions from Aqueous Solution by Biomass- derived Activated Carbon <a href="#">Girgis, Badie; Elkady Ahmed, Attia Amina, Fathy Nady, Abdel-Wahhab Mosaad</a>
P.14	Effect of Tertiary Treated Wastewater Irrigation on Yield, Essential Nutrients and Heavy Metals of Cucumber. <a href="#">Amroon, Ali O., Almadini A. M.</a>
P.15	Evaluate Spatial and Temporal Changes in the Concentration of Nitrates in Major Channels of Agricultural Al-Ahsa Oasis, Saudi Arabia <a href="#">Albasher, Abdul kaliq, Almaduny abdul rahman</a>
P.16	Water Salinity Impacts on Some Soil Properties and Nutrients Uptake by Wheat Plants in Sandy and Calcareous Soil <a href="#">Ragab A.A.M. Abdel-Aziz, Abd El-Hady Mohamed, Helal Farid</a>
P.17	Building Capacity in the Field of Water Conservation in Egypt. <a href="#">Batisha, Ayman</a>
P.18	Innovative Water Knowledge Training Program for Sustainable Development in Egypt <a href="#">Batisha, Ayman</a>
P.19	Public Awareness Campaign on Water Conservation: The case of Nablus City, Palestine <a href="#">Hudhud, Amal</a>
P.20	Laser Induced Photo - Catalytic Process for Removal Of Bacteria from Waste Water using nano structured Semiconductor Catalysts <a href="#">Gondal Mohammed Ashraf, Dastageer Mohammed Abdul Qadir, Khalil Amjad</a>
P.21	Wetland Water Conservation by Proper Pollution Management <a href="#">Ganjidoust Hossein, Ayati Bita, Khara Hossein, Khodaparast Seyed Hojjat, Akbarzadeh Amir, Ahmadzadeh Leyaghi Tahmineh, Nezami Shaban Ali, Zolfinejhad Kamran</a>
P.22	Green Water Utilization to Combat Water Scarcity in Arid Zones <a href="#">Rashid, Muhammad</a>
P.23	Application of Support Vector Machines in Short Horizon Prediction of Water Consumption Per Capita in Arid Region <a href="#">Abdollah zade Majid, Rabiee Kenaree Amir, Abdollazadekaram Majede, Vakili Alireza, Marandi Elahe, zarringhalam Reza, Yazdanparast Yunes, Abdi Zinat, Al Agha Maryam</a>
P.24	Removal Some of Organic Pollutants from Water by Activated Carbon from Olive Stones <a href="#">Durrat, Fatma, Al.Assawi, Ibrahim M., Al.jarani, Abdel-qader</a>
P.25	Chromium Removal from Aqueous Solutions Using Carbon Nanotubes <a href="#">Ayati, Bita; Javadi, Khadijeh</a>
P.26	Optimal Water Demand Management: Simulation of Water Demand in Arid Regions using Locally Linear Neuro-Fuzzy Model <a href="#">Rabiee, Kenaree Amir, Abdollah zade Majid, Yazdan Parast Yunes, Ghadyani Mahmood, Zarringhalam Reza, Marandi Elahe, Abdi Zinat, Abdollazadekaram Majede, Vakili Alireza, Al Agha Maryam</a>