

Sessions

Finding New Sources of Water for Growth

Habibah Al Menaie, Kuwait Institute for Scientific Research, Kuwait
Rula Deeb, Geosyntec Consultants, United States

Wastewater Management and Reuse: Motivations, Challenges and Opportunities in Developing Countries

May A. Massoud, American University of Beirut, Lebanon

Rethinking Wastewater: Water Reuse in the United States

David L. Sedlak, University of California at Berkeley, United States

Water Reuse in the State of Kuwait: Successes and Hopes

Mohamed I. Ahmed, Kuwait Institute for Scientific Research, Water Resources Center, Kuwait

Mitigating Risks to Sustainability in Desalination Technologies via Innovative Materials, Economic Analyses and Environmental Assessment

Hassan A. Arafat, Masdar Institute of Science and Technology, United Arab Emirates

Old Energy, New Methods to Access Resources: The Hydraulic Fracturing Story

Habibah Al Menaie, Kuwait Institute for Scientific Research, Kuwait
Rula Deeb, Geosyntec Consultants, United States

Water Management for Enhanced Sustainability and Economics of Shale Gas Development

Kelvin B. Gregory, Carnegie Mellon University, United States

Fracturing Challenges: The Journey to Innovative Solutions

Mohammed Bataweel, Saudi Aramco, Saudi Arabia

Fracture Geometry Characterizations through Physical Modeling

Waleed Al-Bazzaz, Kuwait Institute for Scientific Research, Kuwait

Technology Integration in Hydraulic Fracturing: Being Effective while Remaining Efficient

Taner Batmaz, Schlumberger Oman & Co. LLC, Oman

Sessions

Global Food Security: Adaptations for the Future

Nisreen Al-Quraan, Jordan University of Science and Technology, Jordan
Joy Ward, University of Kansas, United States

Adaptive Management of Water Resources in Grasslands: Challenges in a Changing World.
Jesse Nippert, Kansas State University, United States

Food Security in the Arab countries: Current Status and Future Scenarios
Rezq Basheer-Salimia, Palestine Technical University, Palestine

Climate Change: Threats to Water Resources and Food Security
Ali Al-Shrouf, Abu Dhabi Food Control Authority, United Arab Emirates

Seed Maturity and Drying Methods at Harvest are Critical to Seed Desiccation Tolerance and Quality: Impact on Food Security
Nezar Samarah, Jordan University of Science and Technology, Jordan

Keynote

Yaseen Al-Mulla, Sultan Qaboos University, Oman
Sherien Elagroudy, Ain Shams University, Egypt

Water-Energy-Food Nexus in the Arab Region: Risks and Opportunities
Hani Sewilam, The American University in Cairo, Egypt

Sessions

Environmental Regulators of Cancer

Mehdi Bourouba, University of Sciences and Technology H. Boumediene, Algeria
Muhammad Zaman, Boston University, United States

Epigenetics, a Link between Environmental Exposure and Cancer?
Lifang Hou, Northwestern University, United States

Effective Therapeutic Targeting of Leukemia Initiating Cells in Chronic Myeloid Leukemia
Rihab Nasr, American University of Beirut, Lebanon

Can Environmental Exposures that Damage Mitochondria Contribute to Cancer?
Joel Meyer, Duke University, United States

The Biological Clock in Health and Diseases
Mohammed Boudjelal, King Abdullah International Medical Research Center, Saudi Arabia

Linkages

Sherien Elagroudy, Ain Shams University, Egypt
Hesham Hamoda, Boston Children's Hospital, United States

Environmental Chemicals and Chronic Childhood Disease: Emerging Concerns and Possible Solutions
Leonardo Trasande, New York University, United States

Hydraulic Fracturing of Shales: Water Contamination Risks, Wastewater Management Strategies, and Emerging Research Challenges
Brian Ellis, University of Michigan, United States

Targeting Cancer with Dietary Bioactive Agents
Mostafa Waly, Sultan Qaboos University, Oman

Metabolomics an Emerging Technology Addressing Plant and Human Health Research Projects in the Post Genomic Era
Mohamed A. Farag, Cairo University, Egypt