

2015 Arab-American Frontiers Fellows

Development of a Paper Based Lateral Flow Immunoassay for Detection of Proteins and Nucleic Acids

Visiting Fellow: Dr. Ala' aldeen Tawfeek Al-Halhouri, German Jordanian University, Jordan
Host Fellow: Dr. Sameer Sonkusale, Tufts University, USA

Novel Removal Methods of Pharmaceutical Pollutants from Water

Visiting Fellow: Dr. Najat Ahmed Al-Odaini*, Sana'a University, Yemen
Host Fellow: Dr. Antoine Ghauch, American University of Beirut, Lebanon

An Integrated Approach to Water Quality Assessment and Management: Case of the Al-Awali River

Visiting Fellow: Dr. Shannon L. Bartelt-Hunt*, University of Nebraska-Lincoln, USA
Host Fellow: Dr. May Massoud*, American University of Beirut, Lebanon

Monitoring of Halophytes and Saline Soils from Space: A Focus on the use of Hyperspectral Data

Visiting Fellow: Dr. Moncef Bouaziz, University of Sfax, Tunisia
Host Fellow: Dr. Dionyssia Lyra*, The International Center for Biosaline Agriculture, United Arab Emirates

Building a Cutting-Edge Epigenetic Cancer Research Network and Education Capacity in Arab Countries

Visiting Fellow: Dr. Rihab Nasr*, American University of Beirut, Lebanon.
Visiting Fellow: Dr. Mehdi Bourouba, Algiers University USTHB, Algeria
Host Fellow: Dr. Lifang Hou*, Northwestern University, USA.

Energy-Efficient Design of Anaerobic Digesters with Pillars-Aided Mixing

Visiting Fellow: Dr. Sophia Ghanimeh*, Notre Dame University – Louaize, Lebanon
Host Fellow: Dr. Baskar Ganapathysubramanian, Iowa State University, USA

Surveying the Marine Biodiversity of Conoidean Mollusks in the Arab Region

Visiting Fellow: Dr. Mande Holford*, Hunter College, USA
Host Fellow: Dr. John Burt, New York University Abu Dhabi, United Arab Emirates

Developing a Low Power Lab-on-Chip Microsystem for Detection of Enteric Viruses

Visiting Fellow: Dr. Mouna Marrakchi Sellami*, ISSBAT, Tunisia
Host Fellow: Dr. Sameer Sonkusale, Tufts University, USA

Design and Synthesis of Liver Targeting Ribavirin Theranostic Nanoparticles

Visiting Fellow: Dr. Abdelrahman Salah Mayhoub, Al Azhar University, Egypt
Host Fellow: Dr. Ali Trabolsi, New York University Abu Dhabi, United Arab Emirates

New Curricula for Career Building for Science, Technology, Engineering, and Math (STEM) Tunisian Scientists

Visiting Fellow: Dr. Mourad Zghal, University of Carthage, Tunisia
Host Fellow: Dr. Padmanabhan Seshaiyer, George Mason University, USA

*denotes women researchers