



PADUCO



2019 Leaving no one behind

PADUCO: Palestinian-Dutch Academic Cooperation on Water
Internal Symposium, 25-26 March 2019,
Law Annex, Birzeit University, Palestine
Program – Final Version

25 March 2019

08:30-09:00	Registration
09:00-09:30	<p>Opening Session: <i>Chairman: Prof. Rashed Al-Sa'ed, Director IEWS, Birzeit University</i> <i>Prof. Asem Khalil, Vice President for Community Affairs, Birzeit University</i> <i>Mrs. Floor Nuiten, Deputy Head of Mission, NRO</i> <i>Dr. Gül Özerol, University of Twente</i> <i>Eng. Hazem Kittaneh, Director General of Technical Affairs, Palestinian Water Authority</i> <i>Eng. Issam Nofal, Director General, Agricultural Water & Irrigation, Ministry of Agriculture</i> <i>Dr. Issa Mousa, Director General, EQA</i></p>
09:30-09:50	<p>Keynote Presentation PADUCO: Past, Present, and Future <i>Maher Abu-Madi (BZU), Gül Özerol (UT), and Subha Ghannam (NRO)</i></p>
09:50-11:30	<p>Session 1: Groundwater Hydrology <i>Chair: Nidal Mahmoud</i></p>
09:55-10:05	<p>GIS Mapping of ground water wells and land use study of the Eocene aquifer zone in Palestine <i>Nabil Joulani and Nidal Abu Rajab</i></p>
10:05-10:15	<p>Hydrological assessment and modelling of the Eocene aquifer based on scarce data, Palestine <i>Muath Abu Sadah; Mohammad N. Almasri, and Nabil AL-Joulani</i></p>
10:15-10:25	<p>Development of optimal pumping strategies for sustainable utilization of Eocene aquifer in West Bank, Palestine <i>Tanvir Ahmed, Andreja Jonoski, Muath Abu Sadah, and Mohammad Almasri</i></p>
10:25-10:35	<p>On-ground N- loading and groundwater Nitrate contamination in the Eocene aquifer, Palestine <i>Tariq Judeh, Mohammad Almasri, Sameer Shadeed, Nabil Joulani, and Nidal Abu Rajab</i></p>
10:35-10:45	<p>Socio-economic Environmental Impact of Spring water in Natuv Catchment / West Bank <i>Anwar Atta and Marwan Ghanem</i></p>
10:45-11:55	<p>Monitoring and Evaluation of Chemical Contamination of Drinking Water from Roof- Top Plastic Storage Tanks in Palestine <i>Hassan Sawalha, Maher Al-Jabari, Sabreen Hasani, Madleen Dababseh and Razan Al-Sharabati</i></p>
10:55-11:20	Discussion
11:20-11:40	Coffee Break

11:40-13:30	Session 2: Agricultural Water Management <i>Chair: Amer Marei</i>
11:45-11:55	GIS-based water poverty and rainwater harvesting suitability mapping for domestic and agricultural uses in the West Bank, Palestine <i>Sameer Shadeed, Tariq Judeh, and Mohammad Almasri</i>
11:55-12:05	Introducing Feasible and Sustainable Hydro-agriculture Systems to Benefit Poor People in Urban Palestinian Areas <i>Daoud Abusafieh, Munif Doudin, Mahmoud Rahil, Nader Hrimat, Bouke Kappers, and Suhyb Salama</i>
12:05-12:15	Application of irrigation requirement and scheduling of Date Palm trees in the Lower Jordan Valley/West Bank, Palestine <i>Amer Marei</i>
12:15-12:25	Inter-basin -transfer of water in the Lower Jordan Valley to sustain the Date Palm tree sector /Palestine <i>Ben Sonneveld</i>
12:25-12:35	Cross-cutting theme: Improving gender mainstreaming in PADUCO research projects <i>Hanadi Badar, Marwan Ghanem, Gül Özerol, and Vincenzo Paladino</i>
12:35-13:00	Discussion
13:00-14:30	Lunch
14:30-16:45	Session 3: Project Group Meetings Round table discussion for 15 PADUCO projects
17:00	Transport to Ramallah
18:00-20:00	Dinner (Invitation only)

26 March 2019

09:00-10:50	Session 1: Industrial Wastewater Management <i>Chair: Nabil Al-Joulani</i>
09:05-09:15	Initial Results from applied integrated practices and technologies for sustainable management of agro-food industrial wastewater in Palestine <i>Rashed Al-Sa'ed</i>
09:15-09:25	Wastewater characterization and investigating cleaner production in leather tanneries in Palestine <i>Maher Al-Jabari, Hassan Sawalha, Eldon Raj, Razan Alsharabaty, and Sawsan Sarsour</i>
09:25-09:35	Characterization and treatment of wastewater from dairy industry in Palestine <i>Hassan Sawalha, Maher Al-Jabari, Nareman Zahde, Dania Aburayyan, Marwa Jbour and Haneen Abufarah</i>
09:35-09:45	Alleviation of environmental impact of wastewater from leather tanning industry <i>Bayan Bsharat, Amer El Hamouz, and Abdelrahim Abu Safa</i>
09:45-09:55	Technical feasibility of applying cleaner production practices in Palestinian leather tanning industries <i>Munya Mas'oud, Abdelrahim AbuSafa, Amer Elhamouz</i>

09:55-10:05	Bioremediation of olive mill wastewater (Zibar) and its possible use in agriculture <i>Sajida Iwissat, Hikmat Hilal, Ahed Zyoud, Ibrahim Nassar, Mahmoud Rahil, Nabil Shahin, Ruba Abuamsha, Wim Voogt, Katarzyna Kujawa and Mazen Salman</i>
10:05-10:15	Remediation of olive oil mill waste liquids (Zebar) into useful irrigation waters <i>Ahed Zyoud, Hikmat Hilal, Ibrahim Nassar, Mazen Salman, Mahmoud Rahil, Nabil Shahin, Sajida Ewissat, and Ruba Abuamsha</i>
10:15-10:25	Using sunlight for olive mill wastewater treatment in photo enhanced fenton process <i>Nabil Shahin, Hikmat Hilal, Ahed Zyoud, Ibrahim Nassar, Mahmoud Rahil, Sajida Iwissat, Ruba Abuamsha, Wim Voogt Katarzyna Kujawa and Mazen Salman</i>
10:25-10:35	Reuse of wastewater from the stone industry in production of cast stone <i>Nabil Joulani and Riyadh Awad</i>
10:35-11:00	Discussion
11:00-11:20	Coffee Break
11:20-13:00	Session 2: Water and Wastewater Treatment <i>Chair: Hasan Abdel Fattah</i>
11:25-11:35	Production of nutrient-rich and pathogen-free irrigation water from treated sewage for reuse, using Anaerobic Dynamic Membrane Bio-Reactors <i>Nidal Mahmoud</i>
11:35-11:45	Pre-Treatment of mixed agro-food industrial wastewaters using advanced chemical oxidation process <i>Saja Younes and Rashed Al-Sa`ed</i>
11:45-11:55	Quality control of wastewater treatment system with algal photo bioreactor using multivariate data analysis <i>Tahseen Sayara, Peter van der Steen, Nawaf Abu-Khalaf, Jebrel HajSaleh, and Saed Khayat</i>
11:55-12:05	Restoration of Wadi Zaimer using a pilot instream Phytoremediation system for the reduction of industrial pollution loads from Nablus West, Palestine <i>Odai Attili and Rashed Al-Sa`ed</i>
12:05-12:15	Brackish water desalination by capacitive electro-dialysis <i>Rasem Hasan, Willem van Baak, Emad Khatibzadeh, Patrick Huntjens, J. Otto Kroesen, and Joris Voorhoeve</i>
12:15-12:25	Enhance brackish water desalination processes in Gaza Strip: One step reverse osmosis <i>Abdelmajeed Nassar</i>
12:25-13:00	Discussion
13:00-14:30	Lunch
14:30-16:30	PADUCO CMT meeting as well as parallel meetings of PADUCO project teams
16:30-17:00	Closing