

Drip Irrigation

Co-conveners, Dr. Naftali Lazarovitch, Ben-Gurion University, Dr. Alon Ben-Gal, The Agricultural Research Organization, and Prof. Dov Pasternak, Ben-Gurion University

Session 1: Facing global challenges with drip irrigation

Monday, Nov. 17 15:00-17:00

Chair: Dr. Alon Ben-Gal

15:00-15:30 Prof. Ram Fishman, George Washington University, USA, “*Why are farmers adopting drip irrigation (or not) in India? Lessons from a study of 450,000 drip purchasers in Gujarat.*”

15:30-15:55 Dr. Rohitashw Kumar, SKUAST-Kashmir, India, “*Augmentation and enhance water use efficiency through farm pond and micro irrigation rainfed area of Kashmir valley.*”

15:55-16:20 Dr. Adam Abramson, UC San Diego, USA, “*Drip irrigation to save water or economize labor? A choice experiment in remote Zambia.*”

16:20-16:45 Ms. Tammy Erann-Soussan, Mashav, Israel, “*Technological- Innovation for Poverty Alleviation (TIPA).*”

16:45-17:00 Discussion

Session 2: Drip irrigation applications

Monday, Nov. 17 17:30-18:45

Chair: Mr. Ilan Fluss

17:30-18:00 Dr. Keith Bristow, CSIRO, Australia, “*Use of polymer membranes in drip irrigated systems.*”

18:00-18:25 Dr. Arnon Dag, Agricultural Research Organization, Israel, “*The implications of fertigating olives with reclaimed wastewater.*”

18:25-18:45 Dr. Zaochang Liu, Shanghai Academy of Agricultural Sciences, China, “*Agronomic and ecological evaluation on growing water-saving and drought-tolerant rice through drip irrigation.*”

Session 3: Local and global advances with drip irrigation

Tuesday, Nov. 18 15:00-16:30

Chair: Dr. Shmulik Friedman

15:00-15:30 Prof. Jennifer Burney, UC San Diego, USA, “*Solar-powered drip irrigation impacts on food security, economic development, and climate resilience.*”

15:30-15:55 Dr. Uri Yermiyahu, Agricultural Research Organization, Israel “*Drip fertigation – an ultimate method for nutrient application*”

15:55-16:20 Mr. Moshe Broner, NavaTeam, Israel, “*Unique Application of Drip Irrigation System for Improving WUE (Water Use Efficiency) and Soil Fertility in Arid Conditions*”

16:20-16:30 Discussion

Session 4: Drip irrigation case studies and applications

Tuesday, Nov. 18 17:00-18:30

Chair: Dr. Naftali Lazarovitch

17:00-17:25 Dr. Shmulik Friedman, Agricultural Research Organization, Israel, “*DIDAS: A user-friendly software package for assisting drip irrigation design and scheduling.*”

17:25-17:45 Prof. Ranjith Bandara, University of Colombo, Sri Lanka, “*Drip irrigation as a strategy for water scarcity at the small scale farming community levels in the arid zones of Sri Lanka: an empirical study.*”

17:45-18:05 Dilia Kool Agricultural Research Organization and Ben Gurion University, Israel, “*Evaluating below canopy evaporation in a drip irrigated arid vineyard*”.

18:05-18:25 Dr. Eviatar Ityel, Ministry of Agriculture, Israel. “*The role of Capillary barrier, drip laterals number, and splitting the irrigation, on salt leaching from a non-homogeneous-highly-porous media*”

18:25-18:30 Discussion