NIFA-BARD Approved Projects
2014 - 2023

14/03/2024

NB-8301-14 **NIFA-BARD Collaborative: Rapid Hydrophobicity Sensing and Computing through MAV-based Hyperspectral Imaging**

NIFA
App. Duration: 2 years

* Chen, Z.	U Missouri	MO
Ben-Dor, E.	U Tel Aviv	
Wallach, R.	U Hebrew	

NB-8307-14 **Enhanced Resilience of Local Agricultural Water Supplies through the Reuse of Municipal and Agricultural Wastewater: A Dynamic Economic Analysis of Technological and Policy Options**

NIFA
App. Duration: 2 years

Schwabe, K.A.	UC, Riverside	CA
Kan, I.	U Hebrew	
Chefetz, B.	U Hebrew	

NB-8316-16 **NIFA-BARD Collaborative: Mechanisms of Salmonella adaptation to the lettuce phyllosphere**

NIFA
App. Duration: 3 years

Melotto, M.	UC, Davis	CA
Sela, S.	ARO, Min. Ag.	

NB-8318-16 **NIFA-BARD collaborative:Exposure risks of pathogens and disinfection byproducts from on-site treated rainwater and drainage water for irrigation**

NIFA
App. Duration: 3 years

Nguyen, T.H.	U Illinois	IL
Borisover, M.	ARO, Min. Ag.	
Sabbah, I.	Braude College	
Nasser, A.	ARO, Min. Ag.	

NB-8321-16 **Securing water for and from agriculture through effective community and stakeholder engagement**

NIFA
App. Duration: 3 years

Brasier, K.	U Penn State	PA
Ben-Hur, M.	ARO, Min. Ag.	
Edelstein, M.	ARO, Min. Ag.	

NB-8332-23 **Adjusting growth rates of the prawn *Macrobrachium rosenbergii* for land based aquaculture systems through myostatin gene editing**

NIFA
App. Duration: 3 years

Sagi, A.	U Ben Gurion	
Dunham, R.A.	U Auburn	AL

NB-8337-23 **Real-time monitoring fish welfare in Atlantic salmon RAS farms**

NIFA
App. Duration: 3 years

Holzman, R.	U Tel Aviv	
Zohar, Y.	UMBC	MD
Gothilf, Y.	U Tel Aviv	

NB-8338-23 **Development of an optical sensor-based diagnostics tool for shrimp disease diagnosis**

NIFA
App. Duration: 3 years

Bashouti, M.	U Ben Gurion	
Dhar, AKD	U Arizona	AZ

IS-8339-23 **Salmon raised in RAS systems: Specific assays for measuring hormones and analysis of sterile fish**

NIFA

App. Duration: 3 years

Levavi-Sivan, B.	U Hebrew	
Zohar, Y.	UMBC	MD

* Indicates an early career scientist (less than 5 years from first institutional appointment)