Modeling Hydrodynamic Conditions in the Upper Niagara River, USA to Assess Feasibility of Emerald Shiner (Notropis atherinoides) Passage
Isaac Allen, University at Buffalo

Reduction of Membrane Fouling via Surface Modification Catalina Alvarado, Rensselaer Polytechnic Institute

Emulsion-base recovery of multicomponent synthetic gasoline mixture using surfactants Parnian Baniahmad, Tufts University

Analysis of Geothite Reactivity with Respect to Surface Area Grant Bedard, University of Connecticut

Spectroscopic investigation of particle size effects on oxyanion adsorption mechanisms at the goethite-water interface

Grant Bedard, University of Connecticut

Including Measurements Along Vertical Ray Paths in Crosshole Radar Tomography Celicia L. Boyden, University of Connecticut and USGS

A porous medium approach to modelling a microchannel heat exchanger Daniel Brady, Worcester Polytechnic Institute

An Automated Method for Testing Process Parameters Felice Chan, Cornell University

Flexible Water Treatment BA Electrocoagulation (EC) and Ion Concentration Polarization (ICP) Hybrid System
Siwon Choi, MIT

Nutrient (ammonia) recovery from anaerobic digestate effluent and re-use as a fertilizer Yashodhara Chowdhury, Clarkson University

An evaluation of the hydrologic budget of the Salar de Atacama in northern Chile – Implications for regional groundwater flow

Lilly Corenthal, University of Massachusetts

Calculating our Estrogen Footprint: Testing a Procedure to Quantify Estrogenic Compounds in Wastewater

Emily Crossette, Lafayette College

Coliforming a Better World
Nicole Del Monaco, Rutgers University

Evaluating Polysulfone Ultrafiltration Membranes for Water Purification Kerianne M. Dobosz, University of Massachusetts Amherst

AguaClara Global Oerview Skyler Erickson, Cornell University

Step Feed Anaerobic Fermentation- A Novel Alternate for Faecal Sludge Processing Ato Fanyin-Martin, KNUST and Columbia University

Searching for the constraint on the design of inlet diffusers for sedimentation tanks Casey Garland, Cornell University

Membrane Fabrication from Self-Healing Polyurethanes Bezawit Getachew, Yale University

Understanding the relative role of droplet straining in controlling emulsion transport within porous media

Somayeh Ghazvinizadeh E., Tufts University

RiverSmart Communities: Deerfield River Watershed Case Study Nicole Gillett, University of Massachusetts

Ammonia Toxicity on Four Oleaginous Microalgae James Gutierrez, Yale University

Surface modified activated carbon nanofiber nonwoven as a high surface area sorbent in water treatment

Yi Han, University of Connecticut

Application of DNA Stable Isotope Probing to Identify Trace Organic Contaminant Degrading Microorganisms

Catherine Hoar, Columbia University

Chemical Stratification and Mercury Distribution of Meromictic Glacier Lake Asante Holder, SUNY ESF

Cometabolism of Beta Blocker Pharmaceuticals during Nitrification and their Inhibition Effects on Nitrifying Bacteria

Amy Hunter, Tufts University

Exploring Beta Blocker Cometabolism by mixed culture biomass communities from Water Resource Recovery Facilities

Amy Hunter, Tufts University

Application of terrestrial laser scanning for wetland microtopography surveys Kyotaek Hwang, Syracuse University, David G. Chandler, Syracuse University

Climate Change Impacts on the Thermal Stratification of the Wachusett Reservoir

Lillian Jeznach, University of Massachusetts, Amherst

Modeling the influence of spatial heterogeneity on bioenhanced dissolution of PCE Mojdeh Karkhanehchi, Tufts University

Low Impact Development for Cold Regions: Evaluation of SWMM 5.0 Snowmelt Model Against Seasonal Change

Babak Kasaee Roodsari, Syracuse University

Forecasting and assessment of the WARMF model for real time salinity management within the San Joaquin River

Claire Keller, Smith College

Dynamic Pulse-Driven Flowering Phenology in a Semiarid Shrubland Natasha Krell, College of the Atlantic

Recirculating Aquaponic Systems Maya Kutz, Smith College

Optimizing coagulation and disinfection byproduct formation potential minimization during treatment of high TOC surface water.

Abhisek Manikonda, Clarkson University

Mercury Fate in the Madison County Constructed Wetland Gerardo Martinez, Syracuse University

Disinfection by-product speciation in swimming pools: Effect of temperature and sunlight

Christopher Melillo, Manhattan College

Evaluation of Potentially Bioavailable Organic Carbon in Soil Samples after Liming near the Honnadaga Lake in New York State

Yaskira Mota, Syracuse University

Degradation of Chlorobenzene in Simulated Groundwater Using Palladium-Catalytic Electro-Fenton Reaction

Roya Nazari, Northeastern University

Synthesis of Modified Polysulphone Membranes using Clay Nanoparticles Raphael Rodrigues, Harvard University

Recovery of Iron Oxide Pigments from Acid Mine Drainage Michael Ryan, Lafayette University

The influence of freshwater mussels on near-bed flow conditions Brandon Sansom, University at Buffalo

Groundwater Contribution of Phosphorus from Near-lake Septic Systems to Eutrophication of a Lake

Frank L. Schellenger, Northeastern University

Evaluation of Fluorescence Spectroscopy to Identify Organic Matter Source in Effluent-Receiving Fluvial Systems

Sharon Scott, University of Connecticut

The Effect of Dissolved Organic Carbon Fractions on Metal Mobility in In-situ Chemical Oxidation Applications

Chelsey Serrano, University of New Hampshire

Self-Assembly of Ultra-thin Reduced Graphene Oxide Membranes at the Air-Water Interface

Gregory Silverberg, Harvard

Using High-Resolution Remote Sensing Data and ArcGIS to Estimate Fluvial-Geomorphometric Parameters

Noah Slovin, University of Massachusetts Amherst

Supporting Global Citizen Science with a Mixed Media Informatics Framework Kevin Smith, Tufts University

Water Treatment Residual (WTR)-Coated Mulches for Mitigation of Toxic Metals and Nutrient in Urban Stormwater

Hanieh Soleimanifar, Montclair State University

Interactions of Ferrate(VI) with Natural Organic Matters (NOMs)
Yali Song, Montclair State University

Incorporating Ecological Principles in Water Management Decision Making: Example Application to Flood Management in Iowa

Caitlin Spence, University of Massachusetts Amherst

Investigation of DNA Extraction Protocols for Granular Biofilms Containing Microalgae and Bacteria

Kristie Stauch-White, University of Massachusetts Amherst

Photoelectrochemical Chemical Oxygen Demand for Drinking Water Analysis Amina K. Stoddart, Dalhousie University

Characterization of UV-quenching dissolved organic matter in landfill leachate Alicja Trzopek, Montclair State University

Assessing the impacts of a biofiltration facility and associated groundwater flow on surface water quality

Jacquelyn Tupper, Worcester Polytechnic Institute

Improvement on a correction factor to approximate methyl mercury content using specific ultraviolet absorbance

Lysa Uwizeyimana, Syracuse University

Evaluating the Performance of Biological Phosphorus Removal and the Capacity of Phosphorus recovery via Different Sludge Retention Times

Yuqi Wang, Northeastern University

Climate Change and Water Quality Impacts and Adaptation Strategies for NYS & NYC Utilities

Patrick Wittbold, University of Massachusetts, Amherst

Biofilm Formation on Carbon Nanotube/Polycaprolactone Nanocomposite Coated Surfaces

Zehui Xia, University of Massachusetts, Amherst

Carbon nanomaterials for electrochemical anti-microbial fouling coating: performance evaluation and mechanism study

Qiaoying Zhang, Harvard University