The research group headed by Prof. Chefetz, aims at elucidating the fate and processes of organic pollutants occurring in water, reclaimed wastewater, soils and sediments. An overarching goal is to elucidate physical, chemical and biological processes that influence the behavior of organic pollutants in the agricultural environment. Special interests are: (1) Pharmaceutical compounds in reclaimed wastewater-soil-plant-human continuum; (2) Sorption-desorption behavior of xenobiotics in soils and sediments; (3) Nano particles in the agro-environment: fate and processes; (4) Nature and reactivity of dissolved organic matter in soils.