Angela L. Batt, Research Chemist, in EPA's National Exposure Research Laboratory

Systems Exposure Division
Mailing Address

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Area of Expertise: My research involves developing analytical methods to determine the occurrence of emerging contaminants in a variety of environmental matrices. I have developed methods to analyze over 60 human prescription pharmaceuticals in wastewater and surface water using liquid chromatography in combination with mass spectrometry, and these methods have applied to several national scale studies to assess the exposure of ecosystems to pharmaceuticals present in wastewater treatment plant discharges. Future work will focus on expanding our analysis of emerging and unknown contaminants using high resolution mass spectrometry (LC-QToF) and non-targeted analysis techniques.

Select Publications:

Evaluating the extent of pharmaceuticals in surface waters of the United States using a national-scale rivers and streams assessment survey. Angela L. Batt, Thomas M. Kincaid, Mitchell S. Kostich, James M. Lazorchak, Anthony R. Olsen. *Environmental Chemistry and Toxicology*, 2015.

View more research publications by Angela Batt.

Education:

- Ph.D. in Analytical Chemistry, 2006, State University of New York - Buffalo
- B.S. in Chemistry, 2001, Saint Bonaventure University
- A.A.S. in Chemical Technology, 1999, State University of New York - Alfred
- A.A.S. in Biotechnology, 1998, State University of New York - Alfred

Professional Experience:

- Federal Post-Doctoral Fellow/Analytical Chemist, USEPA, ORD/NERL/EERD, 2006 to 2008
- Research Analytical Chemist, USEPA/ORD/NERL, 2008 to present

Honors and Awards:

- 2007 – ORD Honor Award Bronze Medal for Commendable Service - Exceptional/Outstanding ORD Technical Assistance to Regions or Program Offices
- 2011 – NERL Special Achievement Award – for excellence in Quality Assurance

- 2011 – STAA Level II Award - Analysis of Ecologically Relevant Pharmaceuticals in Wastewater and Surface Water using Selective Solid-Phase Extraction and UPLC-MS/MS Anal Chem 80(13):5021-5030 (2008)