

# CHEMSEM NEWS VIII, Fall 2014

## Nuclear Waste: Removing It From Our Backyard



**Shannon M Biros, PhD**

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<https://www.gvsu.edu/chem/shannon-biros-41.htm>

**D**r. Shannon M Biros, joined the faculty of Grand Valley State University (GVSU) as an Assistant Professor of Organic Chemistry in the fall of 2008. She is currently in her seventh year as a tenured faculty member at GVSU, and maintains an active research group of undergraduate students.

They have developed a series of compounds designed to bind lanthanide and actinide cations, which are important in cleaning up nuclear waste. Biros will describe the synthetic approach to these ligands and their ability to extract *f*-elements from acidic solutions.

Biros, a graduate of GVSU, received her BA in chemistry in 2001. Then she moved to San Diego to pursue a chemistry PhD at The Scripps Research Institute with Professor Julius Rebek, Jr.

She later spent a year at the University of California, Berkeley as a postdoctoral research associate in the laboratory of Professor Kenneth N. Raymond investigating the guest binding properties of a series of supramolecular metal-ligand clusters.

ANDREWS UNIVERSITY CHEMISTRY & BIOCHEMISTRY  
HALENZHALL AMPHITHEATER (Thursday, October 23, 4:30 pm)