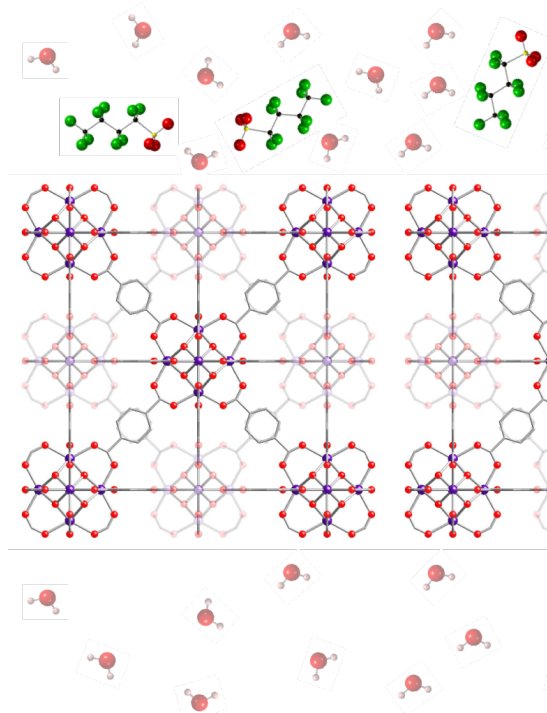


Join the Central Wisconsin Section of the American Chemical Society for a Chemistry Seminar to celebrate National Chemistry Week!

Thursday, October 21 at 7:30pm in CBB 105

Removal of Perfluoroalkyl Species from Aqueous Solution Utilizing Porous Solids

Dr. Joe Mondloch



Metal-organic frameworks (MOFs) are readily tailored porous solids built up from metal-based nodes and multitopic organic linkers. MOFs have found industrial use as agents to deliver toxic gases as well as delivery systems for food preservation. This talk will focus on the rapid syntheses of group IV MOFs and their ability to remove perfluoroalkyl substances (PFAS) from aqueous solution. There is significant interest in removing PFAS compounds from water as they are highly persistent and pose significant health risks. We've found that group IV MOFs have excellent PFAS adsorption capacities as well as facile adsorption kinetics. The predominant mechanism for PFAS adsorption appears to be binding through the metal-based node.

Joe grew up in central Minnesota and received his B.S. in chemistry from St. Cloud State University. He subsequently received a Ph.D. from Colorado State University in inorganic and materials chemistry. After a postdoctoral research stint at Northwestern University in collaboration with the Department of Energy's Office of Energy Efficiency and Renewable Energy Joe joined the chemistry department at the University of Wisconsin-Stevens Point.

Join us in person at the Chemistry Biology Building room 105 on UWSP campus or on Zoom using the link below.

Meeting URL:	https://wisconsin-edu.zoom.us/j/97378499872?pwd=T1BtWDVzTDVtZXBpZlpXbmlrWFdlZz09&from=addon
Meeting ID:	973 7849 9872
Passcode:	639886