

Chemical Engineering Student Seminar Day – Apr 24, 2025 Location: Dupuis 217**Time: 9:00am Chair: Dr. Koupaie****Co-Chairs: Sandra Smeltzer (before break)**

TIME	SPEAKER	SUPERVISOR	TITLE
9:00am	Raz Abbasi	Cunningham/ Jessop	CO ₂ -Switchable Surfactants Enhance the Water Resistance of Latex-Based Coatings
9:30am	Farimah Aminfar	Koupaie	Thermo-Alkaline Pretreatment for Enhanced Anaerobic Digestion of Bioplastics
9:50am	Fatemeh Sadat Arghavan	Koupaie/Meunier	Comparative study of biochar-amended and unamended anaerobic digestion under various organic loadings
10:20am	Florence Bullem	Koupaie	Integration of Thermal and Thermo-Alkaline Pre- and Inter-treatment with Two-phased Sludge Anaerobic Digestion
10:40am	BREAK		
10:50am	Romina Hajmohammadtaghishirazi	Koupaie/ De France	Boosting Anaerobic Digestion Performance with Protein Nanofiber Additives
11:20am	Jerome Joseph	Parent	AOTEMPO-mediated crosslinking of Polypropylene by mixed peroxides and photo initiators
11:40am	Sara Mohebbi	Hutchinson	Free radical copolymerization of bio-based itaconate monomers
12:10pm	LUNCH		