

## Conference Agenda

Wednesday, August 10, 2016	
5:00 pm to 10:00 pm	Welcoming reception at the HUB
Thursday, August 11, 2016	
8:00 am to 9:00 am	Breakfast at Degrees
9:00 am to 9:30 am	Keynote presentation: <i>State of the art Resource Recovery Facility</i> <b>Tanner Devlin and Jan Oleszkiewicz, UofM</b>
9:30 am to 9:50 am	The effect of ClO <sub>2</sub> on the digestibility of Returned Activated Sludge <b>Maciej Kowalski, UofM</b>
9:50 am to 10:10 am	Analyzing the effects of sludge freeze/thaw treatment on enhancement of sludge biogas production and nutrient recovery <b>Mahrooz Sabri, Create H2O</b>
10:10 am to 10:40 am	Coffee Break
10:40 am to 11:00 am	Something's brewing: Biological treatment of industrial wastewater <b>Tanner Devlin, UofM</b>
11:00 am to 11:20 am	Plant Uptake of Engineered Nanomaterials from Aqueous Environment <b>Priyanka Deka, NDSU</b>
11:20 am to 11:40 am	Column and Lake Studies with Metal Cross-linked Biopolymer Beads for Aqueous Phosphate Removal <b>Heather Yelle and Cole Amundson, NDSU</b>
11:40 am to 12:00 am	Natural wetlands as additional wastewater treatment for phosphorus removal in First Nations communities in Manitoba <b>Vanja Karpisek, UofM</b>
12:00 pm to 1:30 pm	Lunch at Degrees
1:30 pm to 1:50 pm	Microorganism- and Plant-based Reactive Nanoparticles for Green Remediation <b>Hoang Pham, NDSU</b>
1:50 pm to 2:10 pm	Effects of Lighting Intensity and Ammonia Concentration on Nitrogen Removal efficiency using Algae - Bacteria Consortia <b>Jia Huijun, UofM</b>
2:10 pm to 2:30 pm	Fungal Treatment for Recalcitrant Compounds Removal in Raw Leachate and Synthetic Mixtures <b>Alessandra Bardi, University of Pisa</b>
2:30 pm to 3:00	Break
3:00 pm to 3:20 pm	Evaluation of landfill leachate treatment by aerobic granular sludge and activated sludge processes <b>Yanan Ren, UofM</b>

3:20 pm to 3:40 pm	Optimization of phytase production from potato waste using <i>Aspergillus Ficum</i> <b>Mengmeng Tiang, UofM</b>
5:00 pm to 10 pm	BBQ

### Friday, August 12, 2016

8:00 am to 9:00 am	Breakfast at Degrees
9:00 am to 9:30 am	Keynote presentation <b>Mario Poveda, KGS Group</b>
9:30 am to 9:50 am	Roles of Gel Entrapment in Membrane Bioreactor <b>Ricky Zamora, NDSU</b>
9:50 am to 10:10 am	Rapid Cultivation of Aerobic Granular Sludge for Simultaneous Biological Nutrient Removal from Wastewater <b>Abbass Jafari Kang, UofM</b>
10:10 am to 10:40 am	Coffee Break
10:40 am to 11:00 am	Potential of hydrolysis/fermentation of activated sludge in sludge holding tank to improve nutrient removal efficiency of wastewater treatment plant <b>Pouria Jabari, UofM</b>
11:00 am to 11:20 am	Bioavailability of Phosphorus in Chemical Sludge <b>Ayaobu Tolofari, UofM</b>
11:20 am to 11:40 am	Modelling the Flux Decline in NF Membranes for Potable Water Treatment of Manitoba Surface Water <b>Nisha Jha, UofM</b>
11:40 am to 12:00 am	HPSEC-PDA and The Spectral Slope Parameter as a NOM Property Indicator <b>Ken Brezinski, UofM</b>
12:00 pm to 1:30 pm	Lunch at Degrees
1:30 pm to 1:50 pm	Removal of Nitrosamines from Drinking Water with Polymers <b>Cody Ritt, NDSU</b>
1:50 pm to 2:10 pm	Graphene-based Nanomaterials for Arsenic Removal <b>Tonoy K. Das, NDSU</b>
2:10 pm to 2:40 pm	Closing Ceremonies (Cici speech)