

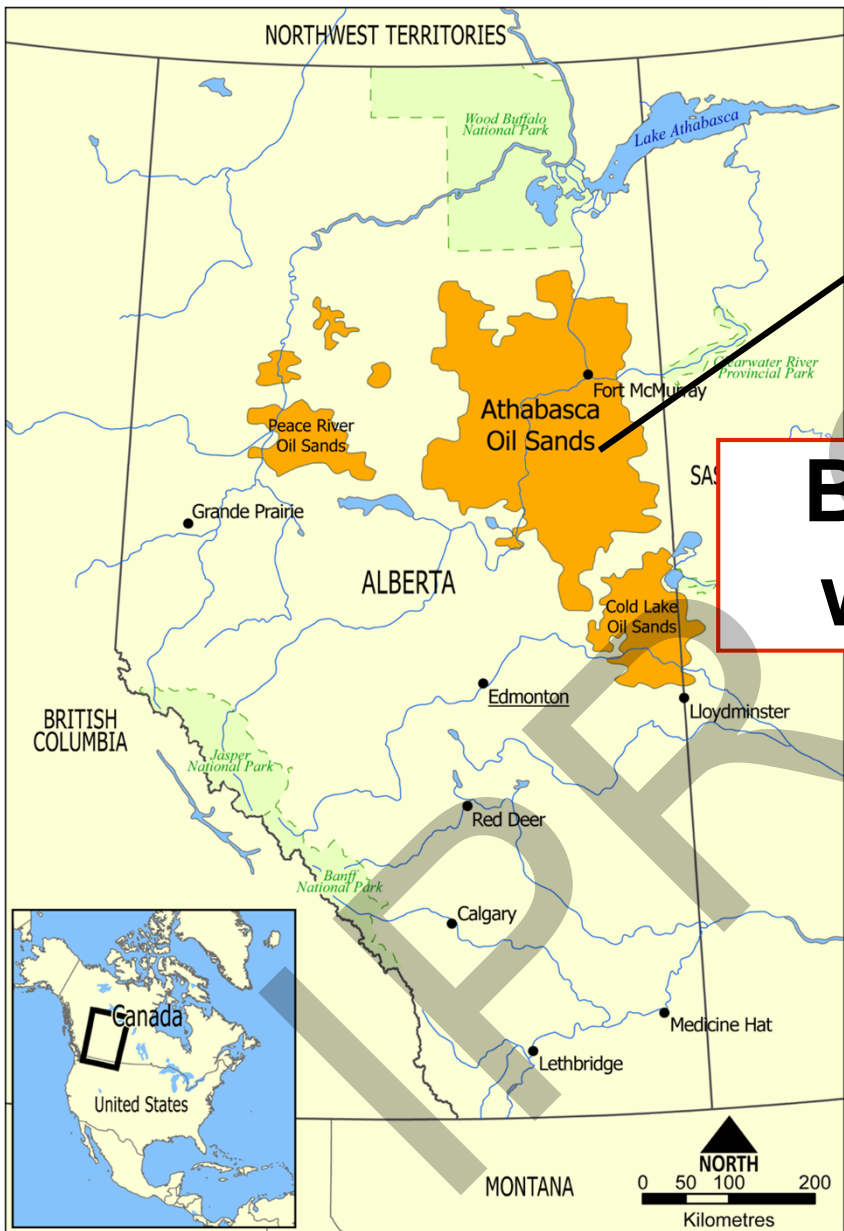


Preparation and Characterization of Temperature-Responsive Polymeric Surfactants

Bingqing (Alice) Yang
Supervisor: Dr. Jean Duhamel
Chemistry, University of Waterloo

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Background



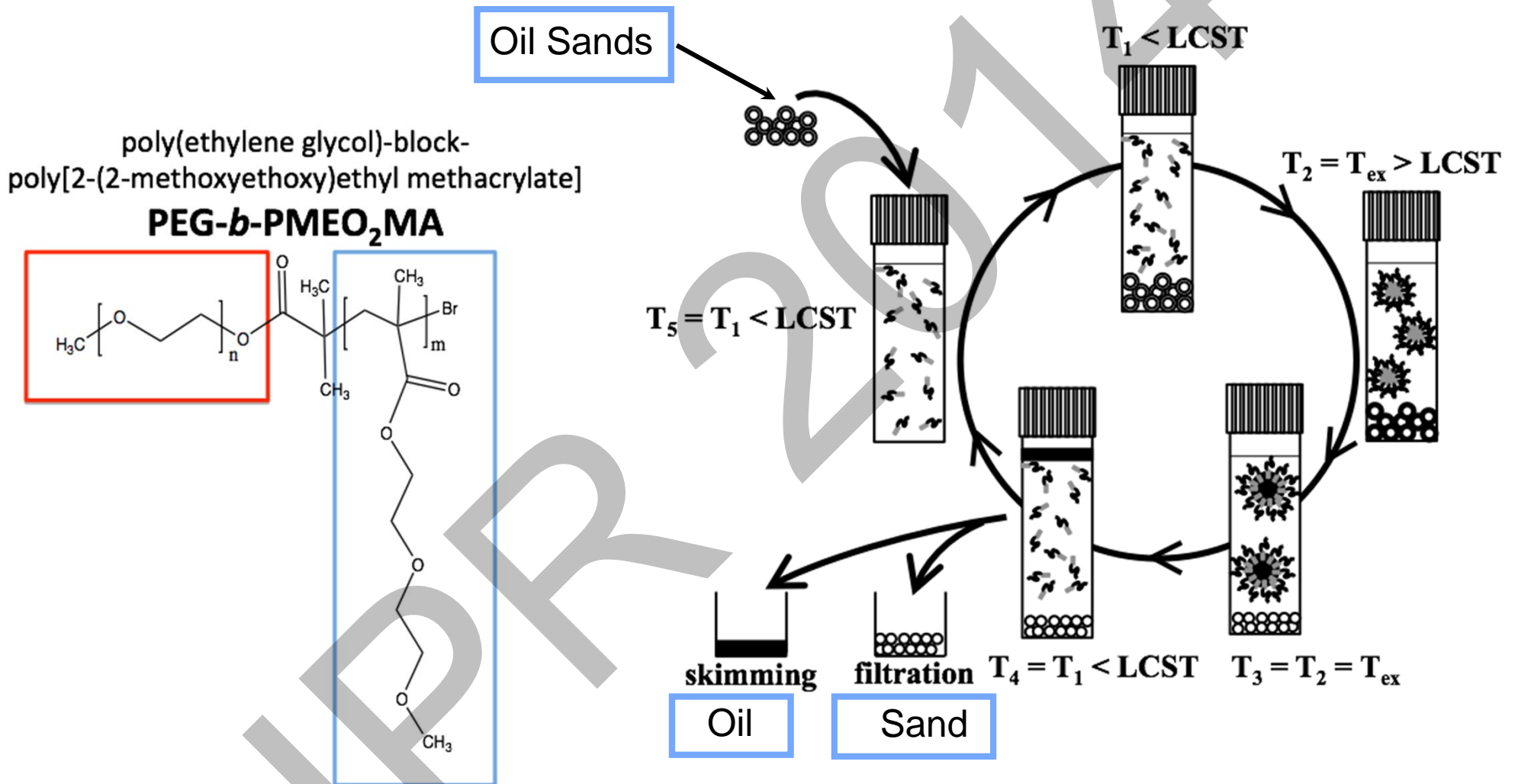
Better way?

oil sands

Problems of oil extraction:

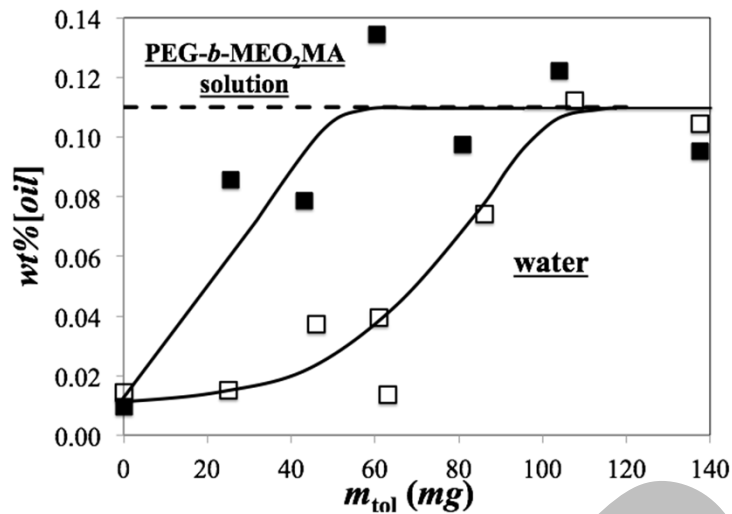
- (a) The heavy oil is usually solid at room temperature;
- (b) The oil and sand stick together.

Protocol Used for Oil Extraction

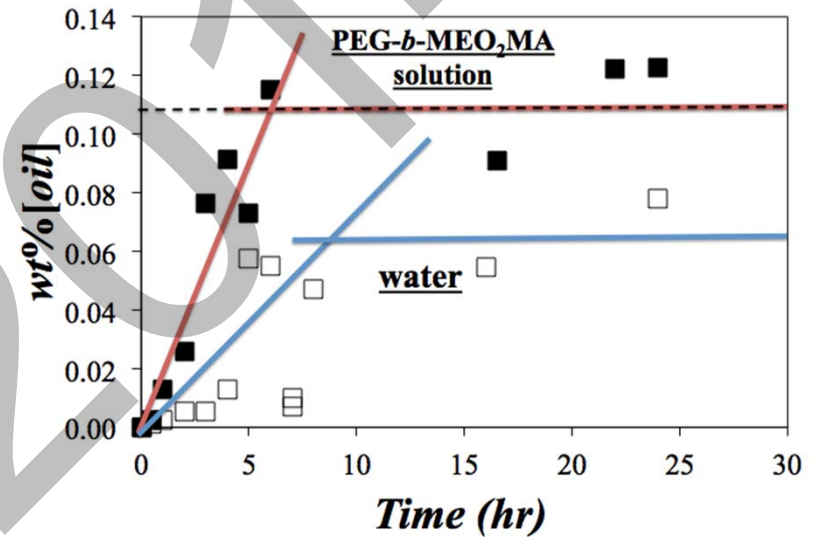


Oil Extraction Experiments

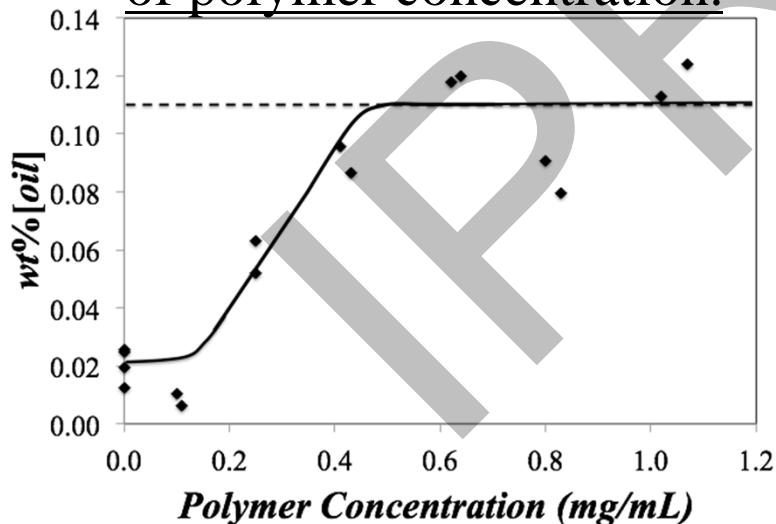
Extraction efficiency as a function of toluene amount.



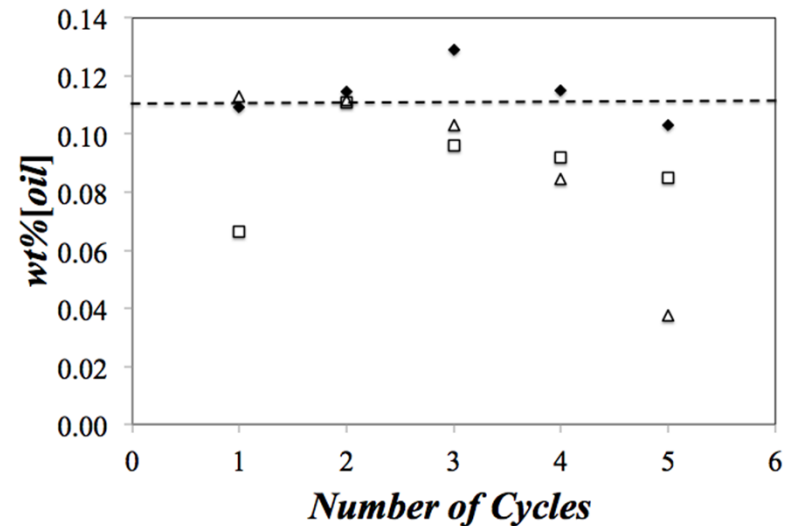
Extraction efficiency as a function of extraction duration.



Extraction efficiency as a function of polymer concentration.



Reusability of TRPS



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Imperial Oil



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