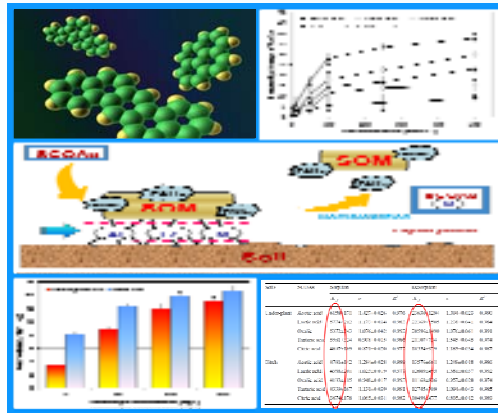


Environmental Protection & Pollution Control in Energy Industry

The generation of hazardous wastes and toxic substances is an important environmental concern facing the energy industry. An's efforts are focusing on the environmental fate of contaminants and remediation technology, which can help develop appropriate strategies to minimize negative effects and achieve sustainable development for the energy sector.

Organic Contaminant Transport in the Environment

- Effect of Short-Chain Organic Acids on the Transport Behaviors of Polycyclic Aromatic Hydrocarbons in Soil-Water System
- Enhanced Desorption of Polycyclic Aromatic Hydrocarbons from Contaminated Soil by Rhamnolipid Biosurfactant in the Presence of Short-Chain Organic Acids



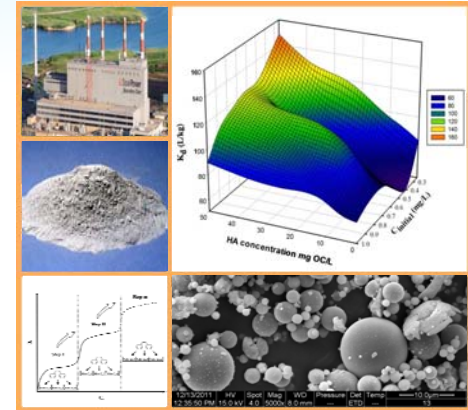
Pollution Control in Petroleum Industry

- Development of An Integrated Mobile System for Oilfield Produced Water Treatment (PTRC)
- Advanced Remediation Study for Petroleum-Contaminated Sites (TransGas Ltd)
- Development of An Innovative Bioremediation Technology for Oil-Sands Tailing Waste Treatment (PTRC)



Disposal and Utilization of Power-Plant Waste

- Stepwise Adsorption of Phenanthrene at the Fly Ash-Water Interface as Affected by Solution Chemistry: Experimental and Modeling Studies
- Removal of Plant Polyphenol Contaminants from Wastewater by Adsorption onto Coal Fly Ash
- Performance of In-Vessel Composting of Food Waste in the Presence of Coal Fly Ash



Environmental Monitoring & Analysis

- Energy and Environmental Research Laboratory (CFI)
- Protection of Water Consumers by Development of In-Situ Monitoring Capabilities for Water Distribution Systems (NSERC-NRC)
- Strategies for Managing the Effects of Climate Change on Microbial Contamination of Surface Water Supplies in Small and Aboriginal Communities (CWN)
- Western Canada Integrated Environmental Simulation and Risk Assessment associated with Climate Modeling (CFI)

