Electroremediation of PFAS

Achievements to Date
• Observe >90% degradation of PFAS in water systems using electrooxidation
• Worked with ERDC partners to quantify PFAS sorption capability of various materials
• Worked with industry partners to identify microbes involved in demonstration scale bioremediation efforts.

Looking Ahead
• Calculate operation efficiency and energy requirements to degrade >90% PFAS
• Determine degradation products
• Optimize electrooxidation
Professor Chris Marshall and Dr. Bhim Tapa searching for bacteria capable to degrade forever chemicals PFAS.

Dr. Melvin Samuel conducting bench-scale electrochemical tests to mitigate PFAS.