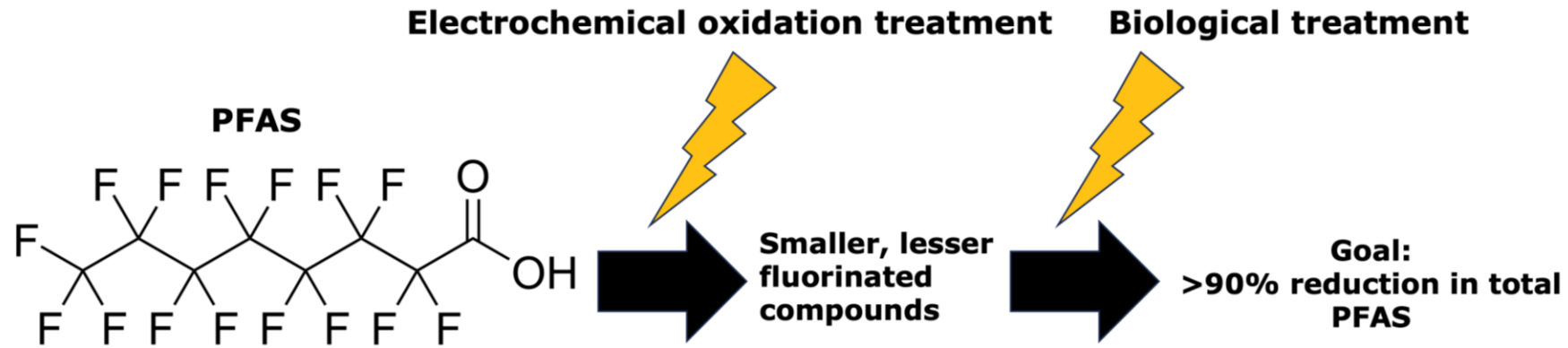


Electroremediation of PFAS

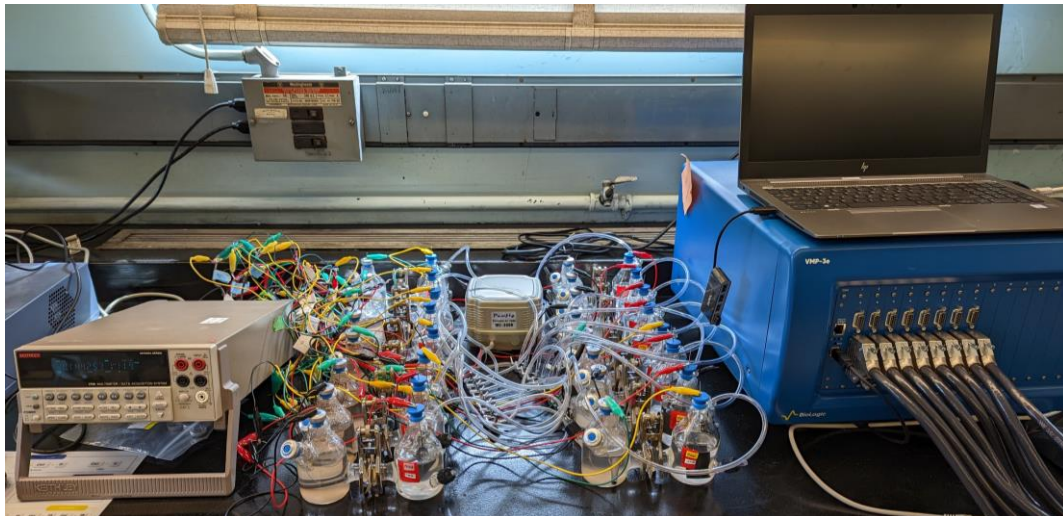


Achievements to Date

- 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.