

# ENVIRONMENTAL MAJOR PROGRAMS

The SpecPro Group performs laboratory research and development on environmental effects for the Army Corps of Engineers. We operate an on-site accredited lab with 7 PhDs, 11 Masters, 16 Bachelors.

We conduct numerical modeling for water quality and field specimen collection (organic and inorganic). We process and analyze environmental samples such as: soils and sediments, plant samples, animal, fish, earthworms and insects.

The SpePro Group collects and analyzes tissue and cellular samples for primary, stem, cancer and transgenic studies. Our abilities also include: biodegradation and microbiology studies, computational based environmental technologies, analytical chemistry research, contaminant distribution and transport services, toxicity investigations radiolabeled compounds, nanoparticles and heavy metals.

## Highlights

- 25 scientific articles published Ex: “*Analysis of Liver Function Mechanisms Affected by Nitrotoluene Compounds*”
- 21 scientific papers presented at technical conferences Ex: “*Comparison of Gene Expression Effects in Liver Tissue and Primary Hepatocyte Cell Cultures after Exposure to Hexahydro-1,3, 5-Trinitro-1, 3, 5-triazine*”
- Chaired 6 sessions at scientific conferences
- Led Global and North American Contaminated Soil Advisory Group

