

## Nexus of Expertise: Environmental & Ecotoxicology

### Analysis:

Elemental lab  
Microscopic lab Chromatography  
Environmental & GDP lab (water services)  
Biotechnology lab  
Occupational Health Medical Surveillance Program  
Food Testing (microbe testing, chemical & nutritional test)  
Halal Assurance testing (Pesticide & agrichemical. & shelf life studies)  
Medical devices & pharmaceutical  
Environmental Risk Assessment  
Chemical health risk assessment  
Toxic waste and contaminants analysis  
Biodegradation evaluation study  
Bioaccumulation study  
COD and BOD  
Heavy metal test  
Macronutrient  
Micronutrient  
Soil testing  
Trace analysis  
Water quality test  
Chemical testing  
Bacteria toxicity tests (acute, aerobic, anaerobic, chronic, mono-species tests, tests on complex associations)  
Algae growth inhibition tests (various species)  
Crustacean toxicity (e.g. daphnia)  
Fish toxicity, acute (semi-static, static)  
Worm toxicity (acute)  
Plant growth inhibition tests  
Soil microflora tests (BBA regulation VI 1-1, OECD 216 and OECD 217)  
Eco-Labeling of environmental friendly products  
High resolution structure/ surface analysis of:  
plants, animals, bacteria, viruses & fungi  
Elemental composition analysis  
Texture & pore analysis  
Morphological characterization/ identification of  
plants, animals and insects  
Particle analysis  
Fluorescence Microscope – Radiolabel  
Pesticide Residue Detection  
Formaldehyde Detection