

Bioanalytical Tools in Water Quality Assessment

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Bioanalytical Tools in Water Quality Assessment reviews the application of bioanalytical tools to the assessment of water quality including surveillance monitoring. The types of water included range from wastewater to drinking water, including recycled water, as well as treatment processes and advanced water treatment. **Bioanalytical Tools in Water Quality Assessment** not only demonstrates applications but also fills in the background knowledge in toxicology/ecotoxicology needed to appreciate these applications. Each chapter summarises fundamental material in a targeted way so that information can be applied to better understand the use of bioanalytical tools in water quality assessment.

Bioanalytical tools in Water Quality Assessment can be used by lecturers teaching academic and professional courses and also by risk assessors, regulators, experts, consultants, researchers and managers working in the water sector. It can also be a reference manual for environmental engineers, analytical chemists, and toxicologists.

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Contents

Introduction, Why and how to use bioanalytical tools and bioassays in chemical water quality assessment?, Comparison of chemical analysis and bioanalytical tools, Case studies on surface water quality assessment, Case studies on application of bioanalytical tools for wastewater and advanced water treatment, Case studies on application of bioanalytical tools for assessment of recycled water and drinking water

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