



Emanuele FERRETTI is a researcher technician at the Italian National Institute of Health (ISS) with a High Degree in Chemistry.

20-years of activities are addressed to different issues concerning the quality of water intended for human consumption in order to protect the human health, within the *acquis communautaire* related to DWD 98/83/EC and the WFD Directive 2000/60/EC.

In the last years, his research activities have also regarded the quality of water intended for recreational purposes.

Main specific tasks and responsibilities are the following:

- Recreational water: development and implementation of regulatory acts, standards, and guidelines, analytical research and control activities for risk assessment associated with the recreational use of swimming pools.
- Expert in the working group for preparation of forthcoming WHO Guidelines for safe Recreational Waters (draft).
- Water for human consumption: development and implementation of regulatory acts, standards, and guidelines, analytical research and control activities for protection and monitoring of drinking water within the framework of dir 98/83/EC (Drinking water directive, DWD).
- Expert in several International and EC Phare Twinning Projects (TP).
- Contributor to WHO International norms on water quality and human health.
- Contributor to WHO Guidelines for drinking-water quality, third and fourth editions.
- Co-Author of Guidelines on Water safety in Buildings (supporting report on implementing the WHO DWQ).

Main research areas deal with drinking water contaminants, water treatment and materials and products in contact with water, disinfection by products, phycotoxins in microalgae and seafood, risk assessment associated with the recreational use of swimming pools; risk assessment related to consumption of matrices potentially containing residues or environmental contaminants.

He performed basic and advanced training activities on drinking water, recreational water and food hygiene, also involving risk assessment, laboratory quality assurance systems, chemical analyses for contaminants, residues and toxicants monitoring, addressed to personnel of the National Health Service and during EC Phare Twinning Projects.

Author of more than 110 national and international research papers and conference proceedings.