



Special Session title: Waterborne Diseases

Special Session Chair: Professor Dr. Panagiotis Karanis, Medical School, University of Cologne; Professor and Director at the Centre of Biomedicine and Infectious Diseases, Qinghai University, P. R. of China

Brief Description and topics:

Waterborne diseases are caused by infections through faecal polluted water. Their pathogens can - along with heavy precipitation, floods and climatic changes – have a significant influence on the quality of drinking water. Waterborne diseases are caused by a variety of microorganisms, biotoxins, and toxic contaminants. Many outbreaks of waterborne diseases, occur after a heavy precipitation events, such as rainfall and snowfall, climate changes, natural disasters, demographic changes and population movements (refugees). Diseases caused by parasites, bacteria and viruses pose a greater threat due to the effect associated effects will have on the growth and spread of pathogens and their vectors.

Topics:

Water-borne, water-based, water-related diseases, outbreaks, parasites, bacteria, viruses, climate changes, infectious diseases, raw water, drinking water, waste water contamination, demographic changes, refugees.