

AN OVERVIEW ON WATER POLLUTION

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ABSTRACT

In the twenty-first century, water quality problems are a significant challenge for mankind. Here, we look at the many types of aquatic pollutants, their impact on human health, and how to protect freshwater resources from contamination. Chemical pollution is emphasized, especially inorganic and organic micro pollutants such as hazardous metals and metalloids, as well as a wide range of synthetic organic compounds. Some elements of waterborne illnesses are also addressed, as well as the urgent need for better sanitation in poor nations. The study looks at recent scientific advancements in dealing with a wide range of contaminants. It's divided into sections based on the many temporal and geographical dimensions of global water pollution. Organic contaminants that are persistent. For more than five decades, geogenic pollutants, mining operations, and hazardous waste sites have been the most significant sources of long-term regional and local water pollution; during that time, the most relevant sources of long-term regional and local water pollution have been geogenic pollutants, mining operations, and hazardous waste sites. On a regional to local scale, agricultural chemicals and waste-water sources have a shorter-term impact.

KEYWORDS: Agriculture, Geogenic, Micro Pollutants, Mining, Pathogens, Wastes.

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