

Global Water Problems

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It has been reported that man had affected the bio-geochemical of nature in a variety of ways, using DDT in the cotton and corn fields in America in the 1950's, and Agent Orange of 2,4,5-T and 2,4-D during the Vietnam War from 1965 to 1971. There have been noticeable changes in the climate of earth's atmosphere due to the heavy burning of fossil fuels for more than one hundred years. Some of these changes are thought to have wide-ranging effects, the so called "climate change."

In addition to changes which are the unintended by-product of human activities, there are global environmental problems in terms of air pollution, water pollution, soil pollution, and ocean pollution.

In particular, rivers, lakes, and underground aquifers have been contaminated continuously by excess waste dyes, plastics, drugs, and chemicals. Also, hazardous toxic heavy metals such as Cadmium, Chromium, Lead, Mercury, and Nickel are contaminating drinking water in Asia, Africa and Latin America. One successful story will be introduced in which a nanofilter system was used to purify drinking water in Tanzania, Africa.