

## TREATMENT OF WASTEWATER CONTAINING PHARMACEUTICAL PRODUCTS USING NANOADSORBANTS

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Nowadays, water resources shortage is one of the most important issues for environmental engineers and managers as well as its conservation due to population growth and ever-increasing water demands.

Hospital wastewater and wastewater from pharmaceutical industry contain various hazardous components. Residues of pharmaceuticals can be found in all wastewater treatment plant (WWTP) effluents, due to their inefficient removal in the conventional systems [1-4].

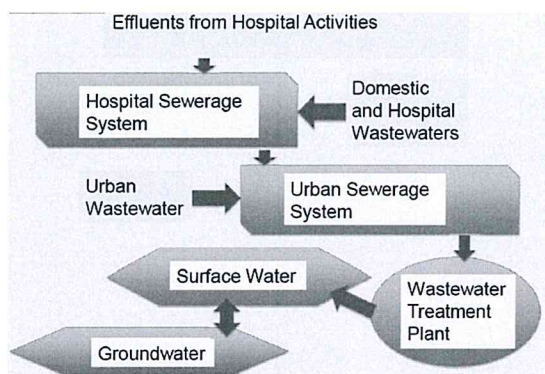


Fig.1. The actual situation of the hospital wastewater path

Nanoadsorbents are gaining importance in wastewater treatment through adsorption. These is due to their remarkable capacities to uptake a wide variety of pollutants [5].

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