425 Research paper

Strategies to Combat Antibiotic Resistance in the Wastewater Treatment Plants

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In **Significant Impact Groups:**

Water \ None

Species targeted: Other;

Age: Not stated;

Summary:

The main goal of this manuscript is to review different treatment strategies and mechanisms for combating the antibiotic resistant bacteria (ARB) and antibiotic resistant genes (ARGs) in the wastewater environment. The high amount of antibiotics is released into the wastewater that may promote selection of ARB and ARGs which find their way into natural environments. In order to find solutions to control dissemination of antibiotic resistance in the environment, it is important to (1) study innovative strategies in large scale and over a long time to reach an actual evaluation, (2) develop risk assessment studies to precisely understand occurrence and abundance of ARB/ARGs so that their potential risks to human health can be determined, and (3) consider operating and environmental factors that affect the efficiency of each treatment mechanism.

Where to find the original material:

https://www.frontiersin.org/articles/10.3389/fmicb.2017.02603/full; 10.3389/fmicb.2017.02603

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