

## **Water Purification and the Industries It Supports**

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Clean and readily available water plays a crucial role in daily societal functions. The dynamic research of water purification involves the process of removing undesired chemical or biological contaminants that affect our use of fresh, consumable water. Depending on desired applications, purification quality is adjusted for use in medical settings, manufacturing, agriculture or personal use in households. Several methods and techniques have been used in the water purification process. Those processes are coagulation, flocculation, sedimentation, and filtration. Different chemicals are used in disinfection to improve the taste further and eliminate the protruding odor. Water purification could be a costly process considering the long-term maintenance of the purification plant, time-intensiveness, and possible environmental impact. Minor enhancements need to be implemented to reduce environmental issues that seem inevitable now due to quality control and lack of technological devices.