

Water resources are natural resources of water that are potentially useful. Uses of water include agricultural, industrial, household, recreational and environmental activities. All living things require water to grow and reproduce.

97% of the water on the Earth is salt water and only three percent is fresh water; slightly over two thirds of this is frozen in glaciers and polar ice caps. The remaining unfrozen freshwater is found mainly as groundwater, with only a small fraction present above ground or in the air.

Fresh water is a renewable resource, yet the world's supply of groundwater is steadily decreasing, with depletion occurring most prominently in Asia, South America and North America, although it is still unclear how much natural renewal balances this usage, and whether ecosystems are threatened. The framework for allocating water resources to water users (where such a framework exists) is known as water rights.

In the present book, fifteen typical literatures about Water resources published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on Water resources. We hope this book can demonstrate advances in Water resources as well as give references to the researchers, students and other related people.<sup>1</sup>

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<sup>1</sup> [https://en.wikipedia.org/wiki/Water\\_resources](https://en.wikipedia.org/wiki/Water_resources)