

Can sparkling water makers minimize our ecological footprint?

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Abstract

Germans love their fizzy water: The predominant part of consumed water is carbonated. Nevertheless, the favored use of tap water was confirmed within prior research conducted at our school.

Multiple companies developed a device which combines both demands - homemade carbonated tap water. So-called sparkling water makers are often advertised with a promise to the consumer of saving money and living a more sustainable lifestyle. This goal is supposedly reached by decreasing the amount of sold plastic bottles and therefore a decline in plastic waste.

We are going to analyze whether the use of a sparkling water maker can reduce an individual's ecological footprint, looking at different indicators in an everyday-life setting compared to bottled water.

The research and work for this project is mainly done to raise awareness of our school members for the upsides a sparkling water maker could potentially have. These advantages are beneficial for them as individuals as well as they contribute in preserving our most important ecosystem, planet earth.