

# Impact of different growth-media compositions on the growth, biomass yield and cannabinoid content of *Cannabis sativa* L.

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## Status

Completed

## Duration

12.2019-03.2020

## Description

The aim of the bachelor thesis was to evaluate the impact of different pot growth-media on growth, biomass yield and cannabinoid content of *Cannabis sativa* L. *C. sativa* has been cultivated by humans for thousands of years and has spread worldwide. Besides the historical use of the plant for grain and fiber production, the *Cannabis* plant is gaining more and more importance due to its secondary plant constituents. The cannabinoids found in *C. sativa*, in particular cannabidiol (CBD), are said to have an antispasmodic and analgesic effect. Since *Cannabis* flowers can be prescribed as a medicine in Germany since 2017, it is necessary to evaluate a cultivation system to ensure a uniform quality of the harvested products. Especially the impact of pot growth-media is still largely unexplored. Furthermore, peat, which is the main component of common potting growth-media, is increasingly coming under criticism due to the destruction of ecosystems. It is therefore necessary to evaluate the suitability of alternative components, such as coconut fibres and wood fibres.



## Involved persons

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