



Česká zemědělská
univerzita v Praze

At Czech University of Life Sciences (CZU), Prague, we are pioneering sustainable brewing with Jiva Water devices, sourced from 4th Phase Water Technologies Pvt Ltd, also known as Jiva Water.

Our research on Jiva water confirms its unique properties: stronger hydrogen bonds and a closer molecular structure, validated through FTIR, NMR, Optical Emission Spectrometry with Inductively Coupled Plasma (ICP-OES), and water density measurements.

Consequently, we chose to brew at Stepan Brewery using Jiva Water devices. We observed that the ingredients mixed exceptionally well with Jiva water, directly impacting foam quality. Furthermore, there was a remarkable 80% reduction in sludge, indicating enhanced fermentation and reduced maintenance costs.

Overall, the beer quality was significantly enhanced. Jiva water produced beer showed improved beer clarity, foam quality, and saturation compared to our regular beer. This was confirmed by sensory analysis studies conducted in Prague, Czech Republic—the beer capital of the world—with forty participants aged between 22 and 25.

We are proud to share how we utilize Jiva water, sourced from 4th phase water technologies, to not only enhance the flavour of our beers but also to implement innovative environmental practices in our brewing process.

Mark Jones

Research associate

CZU