

MICROPRESS, an innovative tool for microextraction of seed oil

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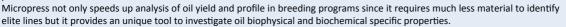


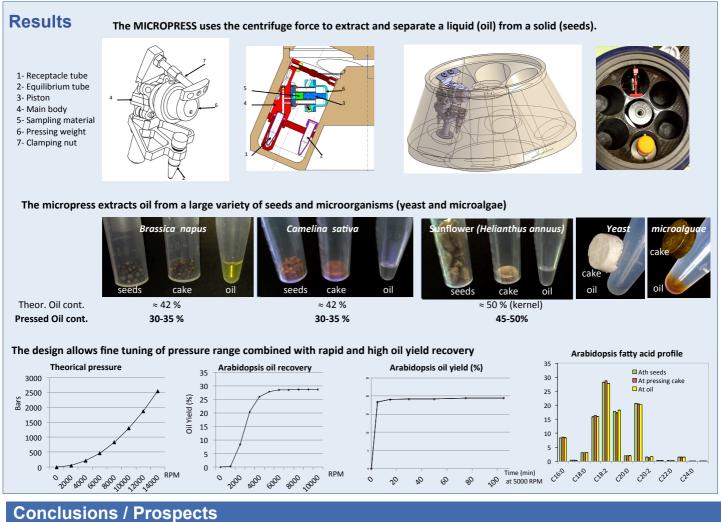
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Abstract

The MICROPRESS project was born from a need of pressing small amounts of seeds to extract oil for research purposes. Several prototypes were built using centrifugation to crush and extract pure oil from as little as 100 mg of seeds (camelina, rapeseed or arabidopsis or even a single soybean seed) but also microalgae or yeasts.

The patented system is able to extract oil from up to 6 samples in a single run (provided the presence of 6 devices) in less than 15 minutes. Micropress recovers more than 80% of seed oil at room temperature without any solvent. The oil has an identical TAG profile as the whole seed.





- Samples << 1g
- Extract oil from seeds, yeast and microalgeae
- Oil recovery in a test tube ready to analyze or process
- Simultaneous pressing and oil recovery
- Possibiliy to process 6 samples in a single run
- Easy to clean
- AgroParisTech



How to use micropress:

- micropress extraction could be provided as commercial service
- (scientific collaboration could be discussed)
- selling of the prototype is under way
- => CONTACT: micropresse@gmail.com



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