

## **CLIB<sup>2021</sup> Project:**

### **Innovative methodologies and technologies for downstream-processing**

Sub-Project: Isolation of pure components from phytoextracts

#### **Description:**

The overall target of this project is to include plant material as resource for white biotechnology.

This sub-project focuses on the development of a technology platform, providing a guideline for the synthesis of downstream processes for the isolation of highly pure components from phytoextracts. The technology shall be designed by analyzing the purification processes of high value compounds; aiming at a fast, economical and eco-efficient process development procedure. The process steps are embedded into an integrated-process-concept. Experimentally, theoretically and empirically based knowledge is integrated into this systematic workflow to obtain economically interesting process alternatives, including their design and economical evaluation in a fast manner.

The proof of concept for the technology platform will be performed for technically relevant exemplary systems.

Results of the project will be merged into the CLIB-platform "Downstream Processing".

**Period of project:** 2008-2011

**Funding Agency:** BMBF

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