

Master Thesis



ChRR[®]

Institute of Chemistry
of Renewable
Resources

Extraction of dyes from bacterial biomass

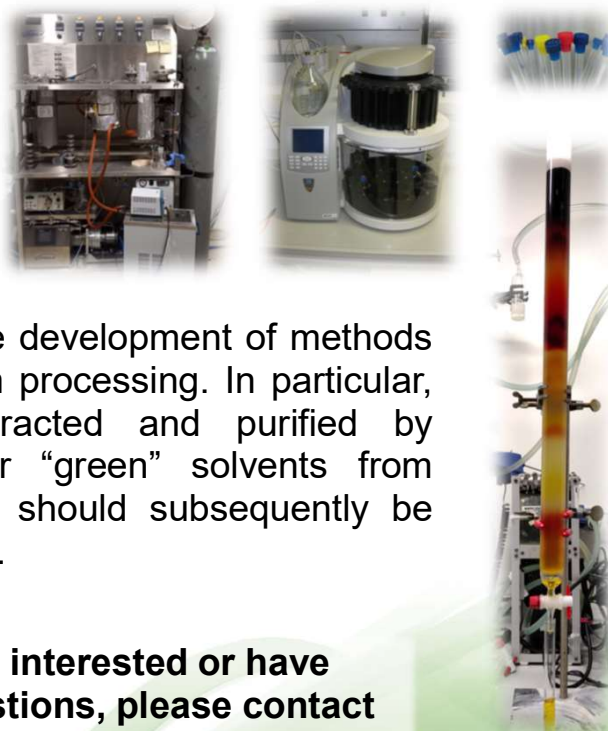
February 2023

OUR RESEARCH GROUP

... investigates the chemistry of the future, which is based on sustainable resources. The focus is on the chemistry and analysis of lignocelluloses and biomass, biorefineries, new analytical and separation processes and modern methods and reactions in the field of "green chemistry".

REQUIREMENTS

- Bachelor's degree in chemistry, biotechnology, or related fields
- Basic understanding of analytical chemistry and downstream processing



YOUR RESEARCH TOPIC

The master thesis is concerned with the development of methods for environmentally friendly downstream processing. In particular, dyes and pigments should be extracted and purified by supercritical CO₂ methods and other "green" solvents from bacterial biomass. The obtained dyes should subsequently be characterized by spectroscopic methods.

DURATION

6 months

INTENDED START

from March 2023

If you are interested or have further questions, please contact us! In case of application, please include a short CV.



Ass.Prof. Dr. Hubert Hettegger
hubert.hettegger@boku.ac.at

UFT Tulln, Department of Chemistry,
Institute of Chemistry of Renewable Resources

