

Master Thesis



ChRR[®]

Institute of Chemistry
of Renewable
Resources

Extraction of dyes from bacterial biomass

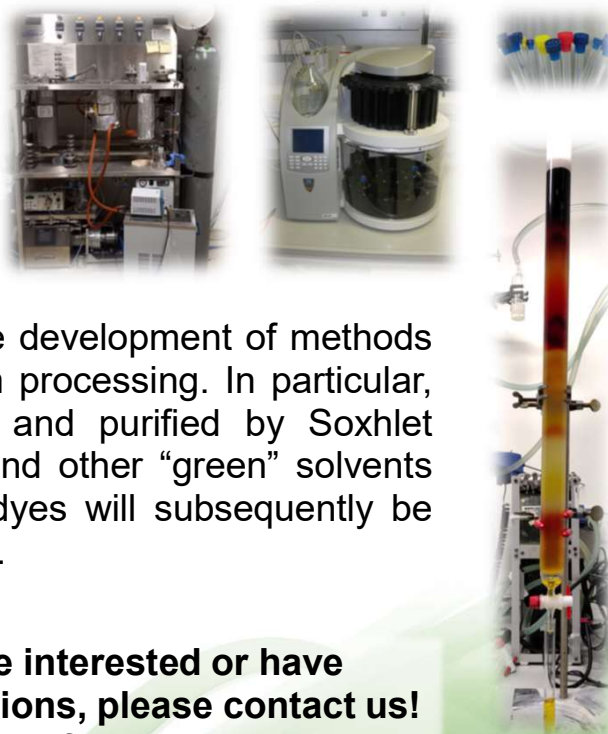
Start: from
February 2024

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 will be extracted and purified by Soxhlet extraction, supercritical CO₂ methods and other "green" solvents from bacterial biomass. The obtained dyes will subsequently be characterized by spectroscopic methods.

DURATION

6 months

If you are interested or have
further questions, please contact us!

In case of application,
please include a short CV.

SALARY

Minor employment,
ca. EUR 500/month



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