Master Thesis

Dyes from bacterial biomass



Start: from

winter semester 2024/25

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 biotechnology, chemistry, or related fields
- Basic understanding of analytical chemistry and downstream processing





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YOUR RESEARCH TOPIC

The master thesis is concerned with developing methods for environmentally friendly downstream processing. In particular, dyes and pigments will be extracted and purified by Soxhlet extraction, supercritical CO_2 methods and other "green" solvents from bacterial biomass. The obtained dyes will subsequently be characterized by spectroscopic methods.

DURATION

6 months

SALARY

Minor employment, ca. EUR 500/month



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



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Science for [life]