



Post-graduate course

Industrial Biotechnology for Lignocellulose Based Processes

Chalmers University of Technology, Gothenburg, Sweden

October 27th- November 1st, 2019



Course Aims and Content

To introduce the students to production of biofuels and other chemicals using plant cell wall materials as the raw material, with emphasis on the biotechnology aspect of the production process. The course will cover **raw material composition and sources, pretreatment and hydrolysis, enzymes that act on plant cell wall material, microorganisms and improvement of microorganisms for production of targeted biofuels and chemicals, the fermentation process and analytics.**

Lectures and exercises will be mixed, and the course includes a seminar with hot topics in the area. Participants are requested to submit a poster abstract and present a poster.

Who should attend?

PhD Students and researchers with interest in industrial biotechnology and sustainable processes. Basic knowledge in biology and mathematics is required. It is an intensive course and participants are expected to work vigorously during the course week. The course is accredited with 5 ECTS-points and the course week ends with a written exam.

Registration will open in May 2019, at the [Course website](http://www.chalmers.se/en/departments/bio/research/doctoral-studies/Pages/Industrial-Biotechnology-Course.aspx) (<http://www.chalmers.se/en/departments/bio/research/doctoral-studies/Pages/Industrial-Biotechnology-Course.aspx>), where further information and the course program will be published.

Video about the course's previous edition [here](#).

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