CHALMERS

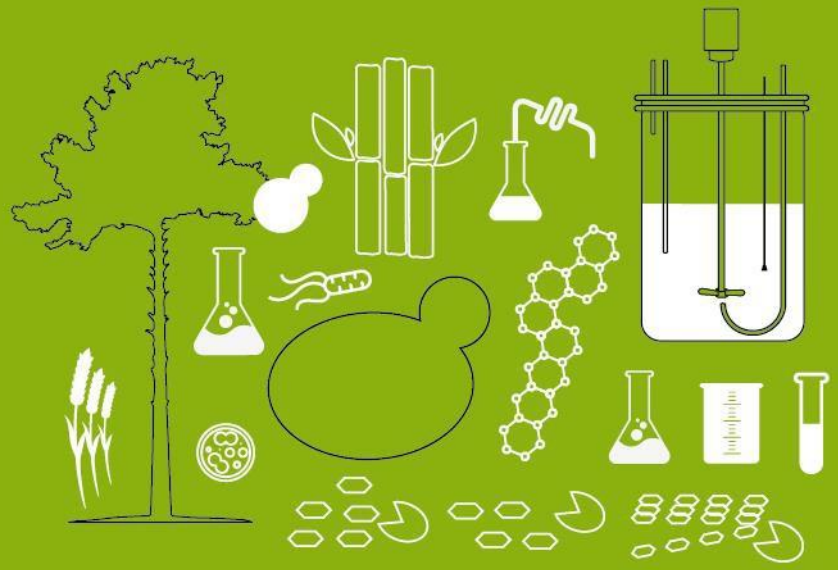
POST-GRADUATE COURSE

Course will be given in on-site, with the possibility to participate on-line (for 2 ETCS).

Chalmers University of Technology, Gothenburg, Sweden

October 23rd – October 27th, 2023

INDUSTRIAL BIOTECHNOLOGY FOR LIGNOCELLULOSE BASED PROCESSES



indbio

The aim is to introduce the students to production of biochemicals and materials using plant cell wall materials as the raw material with emphasis on the biotechnology aspect of the production process.

Lectures and exercises will be mixed. The course also includes a poster session and a presentation of group exercise work.

Who should attend?

The course is suitable for PhD students or researchers with a background in biotechnology, chemical engineering, biochemistry or similar. The course can be taken as a 2 ETCS course, by following lectures + passing the end exam or as a 5 ETCS course, by completing a group assignment during/after the course. 5 ETCS requires on-site participation, for 2 ETCS on-line participation is possible.

Course fee

Academic participants: Onsite participation: 4.500 SEK (~400 €), online participation for 2 ETCS: 1000 SEK
Industrial participants: Onsite participation: 10.000 SEK (~870 e), online participation for 2 ETCS: 2000 SEK
The on-site course fee includes all course material, social events, 5 lunches and 2 dinners.

Accommodation will be arranged for those requiring it (2.000 SEK incl. breakfast, linen & towels, 22nd -27th of October, in 4 person bedrooms, at Göteborgs Vandrarhem (Gothenburg Hostel).

Registration and information

The registration form is available at https://docs.google.com/forms/d/e/1FAIpQLSc4wGZEghP-xpn-4JlE0VT_1F0bcaNY7cuBXZZLXLL_sz8FCQ/viewform.

Registration by 30.9 2023.

Course Program

Daily schedule

9 – 12	Lectures
13 – 15	Group work
15 – 17	Seminars presenting applications, by invited speakers

Monday

Biomass composition and characterization

Tuesday

Enzymes and their action

Wednesday

Microorganisms as cell factories

Thursday

Fermentation processes

Friday

Industrial applications
Written exam
Presentation of group work

The updated course program will be available at
https://www.chalmers.se/en/research/we-train-new-researchers/graduate-courses/FBBT001/

Contacts:

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Course lecturers:

Principal investigators at the Division of Industrial Biotechnology (Lisbeth Olsson, Carl Johan Franzén, Johan Larsbrink, Yvonne Nygård, Cecilia Geijer and several national + international guest lecturers).

DEPARTMENT OF LIFE SCIENCES

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https://www.chalmers.se/en/departments/life/research/industrial-biotechnology/

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