



Processing Biomass for Biofuels and Chemicals

3 ECTS online PhD course, 15-26 April 2024

within the research school

Sustainable systems for food, energy and biomaterials (SSFEB)
at the Swedish University of Agricultural Sciences (SLU)

Scope. The aim is to provide a comprehensive overview of how biomass is processed towards biofuels and chemicals, in Sweden, Europe and worldwide. The course will include biomass composition, thermochemical processing, pyrolysis, gasification, anaerobic digestion/biogas, and conversion to bioethanol, lipids and biodiesel. Perspectives will be given on research frontiers of today and potentials of tomorrow for biorefinery valorization of biomass to fuels and “green chemicals”.

Outline. The course will be given online. Students and teachers participate remotely via Zoom. It will be scheduled full-time Mon-Fri 15-19 April and Mon-Fri 22-26 April, with lectures, self-studies, seminars and discussions. Reading material will be distributed before course start.

Eligible participants. The course is primarily intended for PhD students at SLU, and is also open for PhD students from other universities, and other researchers at SLU, as space allows. The course is free of charge.

Application. On-line at: <https://forms.gle/6Tdnvju8twhgyzBX6> – Deadline: **19 Feb, 2024**. Applicants outside SLU must also provide a certificate stating that you are admitted as PhD student. Send by email to Jerry.Stahlberg@slu.se

Further info. The schedule and other info will be posted on the web site of the SSFEB graduate school: <https://www.slu.se/en/graduate-schools/SSFEB/our-courses/>

Course organiser and contact information

Jerry Ståhlberg <jerry.stahlberg@slu.se> (course leader)

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