



Processing Biomass for Biofuels and Chemicals

3 ECTS PhD course, 21 Oct - 1 Nov 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 onsite at the SLU Ultuna Campus in Uppsala, Sweden. It will be scheduled full-time Mon-Fri 21-25 October and Mon-Fri 28 October - 1 November, with lectures, seminars, discussions and study visits. 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 within EU, and other researchers at SLU, as space allows. The course is free of charge.

Application. On-line: <https://forms.gle/ZJHk9oF7mhoFHaYQA> – Deadline: **15 Sep, 2024**. Applicants outside SLU must also provide a certificate stating that you are admitted as PhD student. Send by email to <mats.sandgren@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

Mats Sandgren <mats.sandgren@slu.se> (course leader)
Department of Molecular Sciences, Swedish University of Agricultural Sciences
(SLU) P.O. Box 7015, BioCentrum, SE-750 07 Uppsala, Sweden
Phone: +46-(0)18-67 31 79

Johan Nilsson <johan.e.nilsson@slu.se>
Deputy Director of Studies, Sustainable systems for food, energy and biomaterials (SSFEB)