



# Swedish University of Agricultural Sciences



## CERTIFICATE

This certificate accredits that  
**NATALIIA KIBENKO**

Has successfully completed the online Training Course **Molecular methods in microbial ecology – from theory to application (I)** (3 HEC, SLU-P000050) which held on 2023-08-28 - 2024-01-14 at the Department of Molecular Science and focused on following:

- preparatory theoretical work (journal clubs), a one-week workshop at campus/online with a mix of lectures and presentations to apply various genetic transformation methods including genome editing and other common molecular techniques used in plant molecular biology;
- self-study and on-line/campus journal clubs with discussions of papers related to molecular tools and bioinformatics of functional genes in combination with activity measurements and statistical modelling;
- preparation of a short presentation of a scientific question from own work related to the course
- independently design a research project using different biotechnological and molecular approaches.

Project coordinator  
Academic courses and conferences  
Åsa Mattson

Responsible for course  
Department of Molecular Science  
Dr. Galia Zamaratskaia.

