

Professor in crop production ecology with specialization in weed ecology and management

Faculty of Natural Resources and Agricultural Sciences

Department of Crop Production Ecology

SLU is recruiting a professor who shares our aspirations to be world leading within the area of weed ecology and management. We are looking for a person with an ecological approach who will work towards solving the applied problems that weedy plants pose in agricultural ecosystems. For this, we welcome applicants with an interest in engaging in trans- and inter-disciplinary research. New EU regulations to ban certain herbicides make sustainable weed management a matter of urgency for Nordic and European agriculture.

This fully funded professorship will be positioned at the Department of Crop Production Ecology, which together with the Department of Ecology, constitutes the SLU Ecology Centre. The professor will bring key competences to this vibrant research environment of integrated agronomic and ecological expertise, and will play an important role in achieving the long-term goals of the Swedish National Food Strategy and the United Nations' Sustainable Development Goals.

The professor will have access to the infrastructures of SLU's long-term field trials and experimental field stations. In addition, the SLU cross-faculty coordinated actions in the areas of cropping systems, plant protection, breeding and future food provide vigorous multi- and inter-disciplinary research possibilities in natural and social sciences. SLU also hosts the national environmental monitoring program of herbicides in the environment.

Research and education at the Ecology Centre focuses on crop production for food, animal feed, biomass and energy and its interaction with the environment. We explore how environmental conditions, ecological interactions and cropping-system design influence not only yields and other ecosystem services, but product quality as well. The SLU Ecology Centre is a Nordic and European hub for sustainable agriculture, and plant protection, nature conservation, wildlife management, honeybee health and forestry, including short rotation forestry.

Subject area

The subject area is weed management, grounded on ecological theory with focus on a system perspective to address challenges in agriculture. Management of weeds includes integrated pest management (IPM) to ensure long-term sustainable production.

Duties

The Professor is expected to lead and manage a research group, which can include administrative duties such as budgets and staff responsibilities. In addition, the candidate should, within the subject area:

- develop and lead a strong research environment with internationally recognized research in weed ecology and management
- develop and lead an internationally competitive program with a focus on weed ecology and management that attracts external funding
- lead, develop, and participate in Bachelor's as well as Master's level education
- actively participate in training and supervision of PhD students
- be able to teach in Swedish within four years (the department will provide courses if needed)
- develop and maintain national and international networks and collaborations not only within the research community and academia, but also with stakeholders along entire value chains
- develop and maintain national and international networks and collaborations with governmental agencies, NGOs, industry, business, other relevant organizations and society at large
- participate in collaboration with stakeholders in establishing relevant research questions and to communicate knowledge and research results
- support the strategic development of the department and the faculty
- collaborate with research groups within SLU in order to strengthen multi-, inter- and trans- disciplinary research at the university
- participate in the implementation and development of the departmental goal of conducting world-leading research within weed ecology and management.

Qualifications

The candidate shall:

- hold a doctoral degree and have the competence of an associate professor (docent) or equivalent academic qualifications
- have scientific expertise within the subject area
- have experience in collaboration with stakeholders
- have documented ability to lead and develop a successful research group
- have documented ability to attract external research funding in competition

- be pedagogically skilled
- have the ability to integrate research and scientific perspectives in teaching

Assessment criteria

The assessment criteria for appointment as a professor shall be the degree of the scientific expertise required as a qualification for employment.

The assessment of scientific skills will consider the ability to:

- initiate, lead and deliver excellent and innovative research including state of the art approaches and methodology
- obtain external research funding in competition

The assessment of pedagogic skills will consider the ability to:

- convey and implement their pedagogical vision
- plan, conduct and evaluate teaching and research
- supervise and examine doctoral students

The assessment of collaborative skills will consider ability to:

- interact and collaborate with relevant stakeholders and society
- design, develop, lead and publish collaborative research with stakeholders

Furthermore, the assessment will consider the applicant's degree of competency in skills to:

- develop and manage activities and staff within the academy and at the university
- communicate and disseminate research findings

It is a merit to have previously conducted research in multi/inter-disciplinary and/or transdisciplinary collaborations.

Equal consideration will be given to the assessment of pedagogical skills as to the assessment of scientific skills.

Application deadline

2020-11-08

Place of work

Uppsala, Sweden

Extent

100%

Form of employment

Permanent employment

Starting date

By agreement.

Application:

Use the document [Application guidelines](#) for appointment as professor, senior lecturer or associate senior lecturer at SLU as guide when you fill in your application.

Please apply by clicking the apply-button below.

Academic union representatives:

<https://internt.slu.se/en/my-employment/employee-associations/kontaktpersoner-vid-rekrytering/>

This position offers the vibrant research climate at SLU. The benefits of the position include Swedish family health care provisions, parenting support including generous paid leave of absence policies that allow both parents to care for newborns and toddlers. Additionally Sweden has a well-established pre-school structure as well as an educational system that provides no-cost education through university studies. Uppsala has a rich history and culture and is located in the greater Stockholm region, which is an academic and cultural hub. Find out more facts and stories about Sweden at www.sweden.se

The Swedish University of Agricultural Sciences (SLU) develops the understanding and sustainable use and management of biological

natural resources. The university ranks well internationally within its subject areas. SLU is a research-intensive university that also offers unique degree programmes in for example rural development and natural resource management, environmental economics, animal science and landscape architecture. SLU has just over 3,000 employees, 5,000 students and a turnover of SEK 3 billion. The university has invested heavily in a modern, attractive environment on its campuses in Alnarp, Umeå and Uppsala. www.slu.se SLU is an equal opportunity employer.

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