

Senior lecturer in cropping systems ecology

A position as senior lecturer in cropping systems ecology, focusing on analysis, design and multi-criteria sustainability assessment of diversified cropping systems is available. The position is located at the Department of Biosystems and Technology within The Cropping Systems Ecology (CSE) group.

Subject area:

The general subject area is cropping systems ecology. The CSE group develops the knowledge on the interaction of cultivated crops with each other, cultivation methods and the surrounding environment. Activities in the CSE group within this area include research in agricultural science, crop production science, and agroecology, with special focus on design and sustainability assessment of cropping systems, nutrient cycling, plant-soil interactions, sustainable soil and weed management.

The overall aim of research and teaching within the CSE group is to enhance sustainability of cropping systems within Swedish or global perspectives in conventional and organic agriculture. Research frequently involves participatory research methodology with farmers and/or other stakeholders in multi-actor platforms. The CSE group teach at the bachelor, master and PhD levels in English and Scandinavian languages, focusing on sustainable development of cropping systems and using knowledge from scientific and practice-oriented literature as well as from empirical research and case study approaches at the farm level.

Duties:

The senior lecturer will strengthen research and teaching on cropping systems ecology and sustainable development of crop production in a Swedish and global food system perspective. Research focus for the position is: design and sustainability assessment of diversified cropping systems for production of legumes for food and feed; transformation of cropping systems based on participatory research approaches, and; ecological intensification of cropping systems facilitated by agroecological principles such as crop diversification, sustainable soil management and plant-microbe symbioses. Research is carried out in farmer's fields, field experimental stations and controlled environmental conditions.

The senior lecturer will contribute to teaching at SLU in topics within agroecology, cropping systems ecology and crop production science and supervise bachelor, master and PhD students within these areas.

Qualifications:

The candidate must have a PhD degree within agricultural sciences, biology or similar and be scientifically and pedagogically skilled within the subject area of cropping systems ecology and be able to integrate the two roles. The applicant must have undergone training in teaching and learning in higher education or by other means acquired the equivalent skills, which should correspond to at least 10 weeks of full time studies. Competence as an associate professor (docent) is desirable.

Several ongoing and new research projects within CSE involve multi-actor platform with stakeholders. Thus, experience in working with participatory research methods is a merit. The candidate is expected to have obtained external funding and actively contributed to the national and international networks in the field. The applicant must have good ability to orally and in writing communicate in a Scandinavian language (at least within 2 years) and English

Assessment criteria:

Assessment for the appointment is based on the degree in which a candidate possesses the skills required to qualify for appointment. Furthermore, regard shall be paid to the degree in which a candidate possesses administrative

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

The Faculty of Landscape Architecture, Horticulture and Crop Production Science (LTV) is responsible for research, teaching, environmental monitoring and assessment as well as outreach and collaboration in the fields of landscape planning and horticulture. The LTV Faculty is also active in the fields of agriculture, food, production, health, quality of life, environment and water.

The majority of the faculty's employees and students are based on Campus Alnarp, between Lund and Malmö. The LTV Faculty houses six departments and a large number of collaborative centres.

Campus Alnarp lies in Sweden's most dynamic agricultural and horticultural region. It is situated close to the student towns of Lund and Malmö, a short distance from the sea and in close proximity to Copenhagen's city life. The Öresund region is in an expansive phase, in which knowledge, education and research have a central significance. On Campus Alnarp, the focus is on landscape planning and horticulture.

Further information:

Linda Tufvesson

shall be paid to the degree in which a candidate possesses administrative and other skills of importance, taking into account the subject matter determined by the institution of higher education for the position and the duties that the position will involve. Moreover, regard shall be paid to the degree in which a candidate possesses skills in developing and managing activities and staff at the higher education institution and aptitude in interacting with the surrounding community and informing people about research and development projects.

As much attention shall be given to the assessment of teaching skills as to the assessment of academic skills. For the assessment of the teaching skills, much emphasis will be placed on experiences of course development, planning, implementation, examination and evaluation of teaching.

For the assessment, emphasis will be placed on the ability to take initiative and do research in the subject area and to the ability to get external funding for research. Furthermore, regard shall be paid to the candidate's conditions to develop the research in the subject area.

Place of work: Alnarp

Form of employment: Permanent.

Extent: 100

Starting date: By agreement

The scientific and pedagogic documentation submitted in support of the application shall be indicated in the application, and **one** copy of each document shall be made available to the Registrar at the time of application. At most 10 scientific publications and at most 10 pedagogic publications, including popularized versions, should be submitted in support of the application. In addition a complete list of publications shall be supplied; the publications submitted with the application must be indicated. When expert reviewers have been appointed, the applicant(s) will be informed to send copies of the documentation listed in the application to each one of the reviewers.

Application: You are welcome to submit your application marked **SLU ua 2141/2017**. Enclose your CV and any other supporting documents. Send your application to the Registrar, SLU, Box 7070, SE-750 07 Uppsala or to registrator@slu.se. Applications close on **August 31, 2017**.

It is desirable that the application is written in English, because the applications will be evaluated by expert advisers both in Sweden and abroad.

SLU is an equal opportunity employer.

University salaries are set on an individual basis.

A guide for applicants "Appointment procedures for SLU" and a "Memorandum for Guidance in connection with applications for appointment/promotion to professor and senior lecturer at SLU" can be found at intern.sl.se. Documentation of scientific, pedagogical and other qualifications must be presented in accordance with the instructions given in these documents.

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Further information about the formal application process:

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