Doctoral student in environmental microbiology

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Linnaeus University is the result of a merger between Kalmar University and Växjö University. Together we will be creating a new, exciting university with 31 000 students and 2 000 employees. Linnaeus University is a modern, international university in the Småland region of Sweden, where people can grow to reach their potential. For more information see: Lnu.se/en

The Department of Biology and Environmental Science is part of the Faculty of Health and Life Sciences. The research activities within this multidisciplinary department include the areas of aquatic ecology, cell and organism biology, evolutionary biology, microbiology, environmental science and environmental engineering as well as zoonotic ecology.

**Subject area for the project:** Environmental microbiology of acid sulfate soils.

**Admission subject:** The studies carried out in the project are designed to lead to a PhD in Ecology.

**Placement city:** Kalmar, Sweden

**Job description**

The research project is in the microbiology of acid sulfate soils that are described as the ‘nastiest soils on earth’ as they can release metal laden, acidic waters into recipient water bodies that impact environmental services, infrastructure, and human health. The studies will include investigations of the microbiology in different acid soils, how communities change over time, and how the release of acid and metals can be minimized. The techniques used in these studies will include ‘omics’ to investigate microbial communities and activities.

The position will be for four years. According to the Higher Education Ordinance, a person appointed to a doctoral studentship should primarily devote himself/herself to his/her own studies. In addition, an appointee may work to a limited extent with education, research, artistic development, and administration. However, before a doctoral degree has been awarded, duties of this kind may not comprise more than 20% of a full-time post.

**Requirements**

A person fulfils the general entry requirements if he/she

- has been awarded a degree on second-cycle level;
- completed the requirements for courses comprising at least 240 credits, of which 60 credits on second-cycle level, or
- in another way, in Sweden or abroad, has acquired principally equivalent knowledge.
Specific requirements also include

- knowledge in the field of environmental microbiology;
- a high proficiency in written and spoken English;
- be able to solve problems;
- have the ability to work independently as well as interact well in a research group.

Assessment grounds

- experience of microbiology field work and with nucleic acid extraction from microorganisms would place the candidate at an advantage;
- experience of working with extreme microbes;
- we attach great importance to personal suitability.

Union representatives can be reached through the university switchboard: +46772-28 80 00.

The last application day is March 2nd 2020.

Linnaeus University has the ambition to utilize the qualities that an even gender distribution and diversity brings to the organization.

Please apply by clicking on the "Apply" button at the bottom of the advertisement at the link below: