



The University of Eastern Finland is inviting applications for a **Doctoral Researcher (PhD student) position in Chemical Ecology** at the Department of Environmental and Biological Sciences, on Kuopio campus. For details and application visit the link:

<https://uef.varbi.com/en/what:job/jobID:789119/>

We are seeking a highly motivated Doctoral Researcher (PhD student) to work on the project **“Insect-pheromones and climate change: Effects of ozone and warming on sexual communication and plant induced resistance”**. The person to be appointed to this position will work at the Department of Environmental and Biological Sciences in the Faculty of Science, Forestry and Technology. The research will be conducted in the Environmental Ecology Research Group (EERG).

Description of the project: *Pheromones play an important role in insect communication and the sexual isolation of species. Warming and air pollution, which are expected to continue increasing as a result of anthropogenic activity, may affect the production and release of pheromone. In addition, air pollutants such as ozone can degrade these volatile cues. The project will follow a multidisciplinary approach to determine the effects of warming and ozone on intraspecific interactions using Lepidoptera species as model insects. The new Doctoral Researcher (PhD student) will be in charge of performing manipulative experiments that utilise a suite of complementary techniques including pheromone gland extraction, volatile collection and analysis by GC-MS, gas chromatography, electroantennography and olfactometry tests.*

The position will be filled for a three-year fixed term from 1 March 2025 (or starting date as agreed).

Requirements

- Master’s degree in biology or agricultural sciences with major subject in entomology or equivalent.
- A person to be appointed as a Doctoral Researcher shall be qualified to pursue postgraduate studies, i.e., the Doctoral Researcher must be eligible to apply for and must have been granted the right to pursue postgraduate studies in the Faculty’s Doctoral Programme LUMETO (Web page).
- A good command of written and spoken English.

Prior experience with rearing of insects, sampling and sample preparation of insect pheromones, gas-chromatography and electroantennography (EAG).

Applications should be submitted by using our electronic application form no later than 6 February 2025 by 24:00 (midnight) Finnish time (UTC+2) through the following link:

<https://uef.varbi.com/en/what:job/jobID:789119/>

More information can be found in the link or contact Dr. Delia Pinto Zevallos (delia.pinto@uef.fi)