

## Research Assistant Position in Ecotoxicology

Focus on Method Development and Analytical Chemistry

**Start:** as soon as possible

**Hours:** 6-8 h/day, 3-5 days/week (flexible), 180 h in total (may be subject of extension)

**Salary:** based on UOL policy guidelines

**Location:** ICBM Wilhelmshaven, Environmental Biochemistry Group

We are offering an exciting **research assistant position in the field of ecotoxicology** with a strong focus on method development and analytical chemistry for the analysis of persistent organic pollutants (POPs) in bird eggs.

### Project Description

This position's concern is the **development and optimization of an analytical method** for the determination of **Pesticides** and **Polychlorinated biphenyls (PCBs)** in bird eggs.

Your work contributes to the Trilateral Monitoring and Assessment Program (TMAP), which monitors the accumulation of persistent industrial and agricultural chemicals in oystercatcher and common tern eggs. This supports environmental risk assessment and has been carried out by our group for the last 15 years. Your work would contribute to a 20-year time series of POP analysis in bird eggs collected along the North Sea coast of the Wadden Sea.

### Your Tasks

- Application of **solid-phase extraction (SPE)** techniques for POP extraction
- **Method optimization** adjusting various parameters including the choice of extraction solvent or type of SPE column
- Instrumental analysis using a **state-of-the-art gas chromatograph coupled to a triple quadrupole mass spectrometer (GC-MS/MS)**
- Data evaluation, interpretation, and documentation of results

### Your Profile

We are looking for a **highly motivated and independent student** who:

- Has a strong interest in **(analytical) chemistry** and the assessment of **anthropogenic environmental pollutants**
- Is keen on **chemical separation principles** and has basic knowledge of **chemistry** (preferably analytical and/or organic)
- Works carefully and reliably in the lab

### What We Offer

- Hands-on experience with **cutting-edge analytical instrumentation**
- Training in modern trace analysis and sample preparation techniques
- Insight into environmental contaminant research
- Close supervision and support throughout the thesis

If you are interested in combining **analytical chemistry** with **environmental and ecological research**, we look forward to your application.

**Contact:**

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