The Faculty 7: Natural and Environmental Sciences invites applications for a PhD position: Physical Drivers of Harmful Algal Blooms (m/f/d) (0,75 EG 13 TV-L) at the Institute for Environmental Sciences at the Campus Landau/Pfalz, Germany. The contract is limited to a period of three years and subject to the German law on fixed-term contracts in science WissZeitVG). Salary will be according to the German public service salary scale Entgeltgruppe 13 TV-L (75 % part time position).

Topic:
Cyanobacterial surface blooms (surface scum layers) are harmful phenomena in lakes, rivers and reservoirs, that negatively affect water quality, human and animal health. In a joint German-Chinese research project, we will study the interactions between surface blooms with hydrodynamic processes at the air-water interface. The successful candidate will design laboratory experiments and conduct field measurements to investigate the effect of wind-generated flow near the water surface on the dynamics of cyanobacterial (Microcystis) colonies, surface scum formation and scum persistence. While the focus of the present position is on physical/hydrodynamic aspects, a companion PhD study focusing on ecological aspects will be based in China.

Your profile:
- Master degree in physics, biology, environmental sciences, engineering or other relevant fields
- Knowledge/experience in at least one of the following fields: limnology, fluid mechanics, small-scale turbulence, phytoplankton ecology and physiology
- Capability of conducting independent research (laboratory and field experiments); excellent skills in English language and scientific writing
- Strong motivation for scientific research and for pursuing a PhD degree

We offer:
- 3 year contract in a fully funded collaborative research project
- Excellent interdisciplinary support, national and international collaborations and access to state-of-the-art research facilities and instrumentation
- The place of work will be the Institute for Environmental Sciences Landau, a friendly and international working environment within a region of high living quality

The position will be associated with the Environmental Physics Group (www.uphysik.uni-landau.de). Please contact Prof. Dr. Andreas Lorke (lorke@uni-landau.de) for further information.

Women with equivalent suitability, competence and professional performance will have preference for employment as far as and for as long as an underrepresentation exists. This is not the case if there are such serious reasons of an applicant that are above the principle of equality of women.

Applicants with disabilities who have the same qualifications will have preference (please attach a proof).

International candidates are highly encouraged to apply.

Please send your application, including a 1-page letter of motivation, a complete curriculum vitae including copies of certificates and a letter of recommendation for the announced position from a referee before 28 February 2021 via email to bewerbung@uni-koblenz-landau.de. Please make sure to mention your name and the reference number 09/2021 in the subject line of the e-mail.

We do not send an acknowledgment of receipt. You will receive information about the result of your candidature. Data destruction after the conclusion of the selection procedure is assured.

www.uni-ko-ld.de/karriere