

The Helmholtz Centre for Environmental Research (UFZ) with its 1,100 employees has gained an excellent reputation as an international competence centre for environmental sciences. We are part of the largest scientific organisation in Germany, the Helmholtz association. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

Student internship

Start: 02.05.2019 (or 03.06.2019)

Fungal solid-state fermentation is a highly potential approach in order to directly convert lignocellulosic biomass into useful chemicals, building blocks, and bioenergy (biogas, liquid biofuels) within the frame of biorefinery applications, or soil fertilizers. In this regard, we investigate different fungi strategies for covering a broad range of potential SSF applications.

Your tasks:

You will get the opportunity to achieve the knowledge and experience regarding solid-state fermentation, scientific study of fungi, and state-of-the-art analysis techniques for fungal biomass (Ergosterol determination), lignin (FTIR measurement), enzyme activities (laccase, peroxidases).

- Fungi cultivation on agar plates and on solid substrate.
- Participation in the analysis of fungal biomass, lignin determination, and the determination of lignin-modifying enzyme activities.

Your profile:

- Studies in Biology, Chemistry, Biochemistry, Microbiology, Environmental Sciences or similar
- Interested in working in laboratory and have already some lab-work experiences
- Ability to work independently

We offer:

- Individual supervision with the possibility to contribute your own ideas
- Great insights into the work in a leading research institute
- State-of-art instruments and well equipped labs

We do not offer salary for this position.

If you are interested, please send an email with your CV, updated transcripts, & motivation letter (*) to Hieu Linh Duong (hieu-linh.duong@ufz.de)

Closing date for applications: 31.03.2019.

(*) Requirements for motivation letter: max. 300 words

- Present your relevant skills, experience and qualifications showing why you would be suitable for the internship position.

- Explain why you would like to do the internship and how you think you will benefit from the internship.

Place of work: Leipzig

Helmholtz-Zentrum für Umweltforschung GmbH - UFZ

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