**Post-doc Researcher in Spectroscopic and Microscopic Methods of Natural and Recycled Materials**

**Job description:**

We are seeking a postdoctoral researcher to join our team within the Lab of the Department of Wood Processing and Biomaterials, Faculty of Forestry and Wood Sciences in Prague, Czech Republic.

The selected researcher will participate in research teams that focus on imaging methods and analyses of elemental and chemical composition of materials based on lignin and cellulose and other renewable raw materials. The post-dock will work with Raman microscope, FT-IR spectroscope, AFM and SEM. These advanced techniques will be used in order to characterise natural fibres, composites from natural fibres, composites from other recycled materials, impregnated wood, etc.

* Independent performance of laboratory work of developmental and research character,
* Analysis of materials by instrumental techniques,
* Preparation and development of experimental procedures – depend of a given imaging technique,
* Preparation of samples and specimens – preparation of samples for Raman microscope, FT-IR spectroscope, AFM and SEM,
* Analysis of imagines and results – image editing, evaluation of elemental analysis, evaluation of FT-IR and Raman spectra,
* Creation of test reports and reports.

Type of employment: Temporary position – 11 months

Working hours: Full time

First day of employment: 06/2020 earliest

Number of positions: 1

City: Prague

Country: Czech Republic

Czech University of Life Sciences in Prague, Faculty of Forestry and Wood Sciences,

Kamycka 129, Praha 6 Suchdol, 16521, Czech Republic

**Requirements:**

* The applicant should have a PhD or other appropriate level 8 of ISCED (International Standard Classification of Education) qualification completed within the last 7 years in environmental or related sciences (biology, ecology, geography, forest sciences)
* The applicant has worked outside of the Czech Republic for at least 2 years as a researcher (0.5 contract or more) or has studied doctoral studies during the last 3 years.
* The applicant has already published 2 peer-reviewed research outputs during the last 3 years.
* All research activities will be conducted in English, knowledge of the Czech language is not required. Excellent English communication and writing skills on the level of native speaker is essential.
* Experience with characterization of natural fiber materials by instrumental techniques such as Raman, FTIR, TGA, DSC,
* Good general technical overview

**Selection procedure:**

Selection will be based on the relevance of candidates’ professional interests and experience, as well as excellence in research achievements.

**Position duration, starting date and salary:**

The duration of the position is 11 months, starting earliest in June 2020. The gross monthly salary starts at 62,412 CZK (circa 2,400 EUR) including health insurance and social security cover. The starting monthly salary represents double of the median salary in the Czech Republic. To compare living costs see here: https://www.expatistan.com/cost-of-living.

**Required application documents:**

* Diploma (and its nostrification, if necessary)
* Professional résumé (CV), including a list of publications and motivation letter
* Confirmation of 2 years professional activity outside of the Czech Republic within the last 3 years and/or Ph.D. programme documents (confirmation can also be included in the résumé - CV)

**Application deadline:**

The deadline for application is 6 April 2020. Application review will begin immediately. Successful candidates will be contacted in the middle of April 2020. The second round of the interview will take place in the form of a video call.

**About the employer**

Czech University of Life Sciences Prague, Faculty of Forestry and Wood Sciences, is searching for 1 researcher (Post-Doctoral Position) to new project: “PROMO II”.

The aim of the project, co-financed by the Operational Program Research, Development and Education, is to support the development of international mobility of research staff at CULS Prague.

**We offer:**

• Working on a temporary contract (11 months, start earliest in June 2020),

• Work full-time employment (1.0)

• Salary: at least 2 400 €

• Place of work: Kamýcká 129, 16500 Prague – Suchdol, Czech Rep. (EU)

• Benefits of the CULS employee

• Work in a dynamic, international, cooperative and high professional quality team

• Extend research networks by participation in international conferences and presentation of research findings

• Working in English

**Research areas:**

1. Optical microscopy

2. Spectroscopy

3. FTIR, Raman, AFM, SEM

Send your CV and other required documents to **hyseks@fld.czu.cz**