

Advertisement published on June 3rd 2022 on the official board of the faculty, closing date of applications on July 2nd 2022 include

**Dean of the Faculty of Science, Charles University
invites applications for the following academic position:**

DEPARTMENT OF PHYSICAL GEOGRAPHY AND GEOEKOLOGY

with anticipated starting date of employment on November 1st 2022

- research in the field of physical geography and geoecology within the project **International Postdoctoral Fellowship-Landscape Response to Climate Change**

Qualifications:

- Ph.D. or other appropriate level 8 ISCED (International Standard Classification of Education) qualification completed within the last seven years.
- The applicant must have worked outside the Czech Republic at least for 2 years of the last 3 years in the field of research with the workload at least 0.5 or have been a PhD student abroad.
- The applicant must have had at least 2 published, peer-reviewed research outputs in the last 3 years. Outputs must be registered in the Thomson Reuters Web of Science, Scopus or ERIH PLUS database as well as “article”, “book”, “book chapter”, “letter” and “review”.
- All research activities will be conducted in English; knowledge of the Czech language is not required.

Specification:

The Faculty of Science, Charles University (Prague, Czechia) invites applications for a Post-doctoral position in the Geography Section for the project “International mobility of research, technical and administrative staff at the Charles University” reg. n. CZ.02.2.69/0.0/0.0/18_053/0016976.

The position is open for researchers with experience in areas - Physical Geography: (1) Hydrology: Response of mid-latitude montane catchments to climate change; or (2) Forest-climate interactions.

(1) Response of mid-latitude montane catchments to climate change

Our research is focused on a catchment scale, dealing with flood and drought hydrology, snow hydrology, hydromorphology, water quality as well as with limnology (<http://hydro.natur.cuni.cz/>).

The announced position aims at modeling changes in the hydrological regime of mid-latitude montane catchments in response to climate change and landscape disturbance. The research will employ data from long-term hydrometeorological observations, and from the own experimental automated sensor network. The research topic should cover one of the following aspects of hydrological change: (i) Hydrological response of the montane catchments experiencing climate change and forest disturbance to the floods and droughts, (ii) Changes in mountain catchment storage in response to climate change, with a focus on the modeling of the snowpack dynamics in relation to climate change, the memory effect of the catchments, water balance, and groundwater storage. (iii) Nature-based solutions for mitigation of hydrological extremes, with a focus on the effects of land and stream restorations on the mitigation of droughts and floods.

Contact person: Jakub Langhammer (jakub.langhammer@natur.cuni.cz), <http://langhammer.natur.cuni.cz/>

(2) Forest-climate interactions

The announced position will focus on response of forests to climate change using tree rings as a data source at inter-annual or intra-annual time scales. Emphasis on cold-limited forests is welcomed but not necessary. For the recently solved research topics of Dendroecology working group, please consult

<https://web.natur.cuni.cz/physgeo/dendro/>.

Contact person: Vaclav Treml (treml@natur.cuni.cz)

<https://www.natur.cuni.cz/geography/physgeo/treml>



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Required application materials:

Cover letter including a personal statement of research interests, Curriculum vitae with the list of publications highlighting those providing an evidence of the experience with protein mass spectrometry or protein structural biology, evidence of education, scientific-pedagogical degrees, scientific degrees.

Selection process:

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

Position duration, starting date and remuneration:

The position duration is 6 months, starting on November 1, 2022 and ending on April 30, 2023. The gross monthly salary is 62 237 CZK (approx. 2 527 EUR) including health insurance and social insurance coverage. The job status is full-time - 40 hours per week.

Application deadline:

The application deadline is July 2nd, 2022. Subsequently, the application's review will begin immediately. Successful candidates will be informed by July 31, 2022.

Application for selection procedure:

Application, which you can download here <https://www.natur.cuni.cz/fakulta/uredni-deska/vyberovazizeni/application-for-selection-procedure/view>, with cover letter, curriculum vitae, list of publications, diplomas, research and teaching statement, contacts to those who could provide a letter of recommendation must be send within 30 days from the announcement of the tender to the e-mail address: volnamista@natur.cuni.cz with subject "Výběrové řízení."

By sending your application, you agree that Charles University, Faculty of Science will process your personal data for the purpose of keeping records of job seekers in accordance with applicable laws.



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