

RECTOR OF THE UNIVERSITY OF SILESIA IN KATOWICE

announces the open call for the position of **Assistant Professor** in the **research-didactic employees' group**

Place of work: Faculty of Natural Sciences

Job location: Jagiellońska 28, 40-038 Katowice

Number of available positions: 1

Ref.No.: 5/2021/NA/WNP/IBBiOŚ

Key words: biological sciences, mycology, microbiology, environmental biology, molecular biology, arbuscular mycorrhizal fungi

Entries to the contest may be submitted by those who meet the conditions defined in Art. 113 of the Act of 20 July 2018 – *Law on Higher Education and Science* (Journal of Laws of 2020, item 85, as amended).

RESPONSIBILITIES:

- conducting research in the discipline of biological sciences in the scope of mycology, microbiology, environmental biotechnology and molecular biology, working with research results and preparing scientific publications and conference reports,
- conducting research-development works,
- conducting classes on the 1st and 2nd cycle studies in the scope of microbiology and related sciences,
- performing organizational tasks arising from the regulations of the University of Silesia for the Faculty and for the University,
- participation in realization of scientific and research-development projects conducted by the Microbiology and Environmental Biotechnology Team,
- applying for research funds in competitions organized by NCN and NCBiR or from other external sources.

QUALIFICATION REQUIREMENTS:

- doctoral degree in the discipline of biological sciences,
- minimum 4 years of experience in conducting research in biological sciences,
- current scientific achievements in mycology and environmental microbiology documented by at least two publications that appeared in the last 3 years scored minimum 100 points (scoring in accordance with the appendix to the announcement of the Minister of Science and Higher Education of the 18th of December 2019)
- minimum 4 years of experience in laboratory work,

- managing minimum 1 scientific project financed from the external sources (e.g. NCN, FNP, Ministry of Science and Higher Education, EU projects) and participation in realization of at least 2 scientific projects,
- practical skills in conducting trap cultures of arbuscular fungi,
- practical skills in research methods including: isolation and propagation of bacteria and saprophytic fungi as well as microscopic and molecular evaluation of mycorrhizal fungal colonization of plants, ability to design primers for the PCR reactions and new generation sequencing, molecular biology techniques used to evaluate the biodiversity of groups of bacteria and arbuscular mycorrhizal fungi (PCR, qPCR, DGGE, PLFAS, omic methods), ability to identify arbuscular mycorrhizal fungi by molecular methods, evaluating the levels of the oxidative stress markers in plants,
- ability to use the research devices: liquid chromatograph, gas chromatograph, light microscope, fluorescent microscope, UV/VIS spectrophotometer, thermal cycler, real-time PCR equipment and electrophoresis equipment,
- good command of English – B2 level or higher (confirmed by FCE certificate or equivalent certificate. In the case no certificate is provided English language skill will be verified during the interview),
- ability to operate the following software: MS Office, Statistica, Past, MycoCalc, Mothur, MEGA, Chromas Lite, MAFFT, MrBAYES, RAxML-EPA,
- ability to work with databases (e.g. NCBI),
- minimum 4 years of experience in conducting classes in the higher education institution on the 1st cycle and 2nd cycle studies in the scope of microbiology and environmental biotechnology,
- knowledge of Polish that allows for conducting classes,
- documented didactic achievements and achievements in knowledge popularization,
- readiness to conduct classes remotely and ability to use the tools for distance learning.

ADDITIONAL REQUIREMENTS:

- scientific internship (minimum 3 months) in the foreign research institution that conducts research in life sciences and environmental sciences,
- international cooperation confirmed by co-authored publications,
- readiness to share one's knowledge and experience with others,
- self-reliance, good work organization skills.

WE OFFER:

- full time employment under the fixed period employment contract for 4 years,
- employment at the University as a primary place of work,
- the annual teaching load in the amount of 210 hours,
- task-based working time,
- opportunity for further professional development,
- social benefits package,
- group life insurance for the University employees, their spouses/life partners and adult children,
- private medical care as a part of additional health insurance for the University employees, their spouses/life partners and children,
- ability to join the Occupational Pension Scheme and the group pension insurance POGODNA JESIEŃ.

REQUIRED DOCUMENTS:

- scientific resume (CV) and motivational letter,
- copies of documents confirming your qualifications (including the Ph.D. diploma or certificate granting the Ph.D. degree, and the MA diploma or equivalent degree diploma),
- list of publications,
- other documentation confirming achievements in the scientific and didactic work

SCHEDULE OF THE CALL:

- application submission deadline: **13th of March 2021 (11.59 p.m.)**
- the selection process will be concluded until the **13th of April 2021**

APPLICATIONS:

Sending application in response to this Call means accepting the GDPR information clause

[***GDPR information clause***](#)

Applications received after the deadline, incomplete applications and applications submitted in any other way than defined in the open call announcement shall not be considered. The University reserves the right to leave the call unresolved.

IMPORTANT NOTICE

The necessary condition for employment of the candidate selected as a result of the Call is their fulfillment of the obligation arising from art. 265 section 5, and 13 of the Act: *Law on Higher Education and Science* of 20th of July 2018 (Journal of Laws of 2020, item 85, as amended).

In the case of foreign candidates, whose diplomas granting scientific degrees require nostrification according to the Polish law, can be employed only after fulfilling nostrification procedures.

The required documents shall be submitted by electronic means using the below application form:

[Application Form](#)