

KRekInż-1(II)/23

Lublin, 11.07.2023

THE INSTITUTE OF AGROPHYSICS  
OF THE POLISH ACADEMY OF SCIENCES IN LUBLIN  
IS SEARCHING FOR:

**JUNIOR ENGINEERING STAFF MEMBER (f/m)**  
**in the Department of Soil and Plant System**  
**on the research project „*Legume-cereal intercropping for sustainable agriculture across Europe*”**  
**(Project 101082289 — LEGUMINOSE), funded by the European Union within the program**  
**HORIZON EUROPE – HORIZON-CL6-2022-BIODIV-01**

**1. The scope of research tasks for position of the junior engineering staff member in the Department of Soil and Plant System within the research project „*Legume-cereal intercropping for sustainable agriculture across Europe*”:**

- a) active participation in research within the Project, including:
- collecting and preparing soil and plant samples for the research,
  - participation in microbiological and molecular analyses regarding the soil microbial biodiversity and plant microbiome,
  - carrying the experiments and performing measurements in the frame of field experiments (e.g. pH, salinity, soil temperature, agronomical measurements and biometrics plant measurements),
  - soil properties analyses (e.g. soil enzymatic activity, next generation sequencing – NGS, analyses of functional genes using qPCR, functional diversity using ECOPlates Biolog™),
  - technical participation in the laboratory and research work of all tasks of the Project: e.g. preparation of soil samples, reagents and materials, microbiological media, setting up experiments and readings of Biolog plates, DNA extraction from soil and plant samples, microbial biodiversity research of soil and selected plant samples using next generation sequencing (NGS), functional genes analyses using qPCR, microbial functional diversity evaluation using Biolog™ ECOPlates,
  - scientific description, participation in interpretation and analysis of the experimental data and their presentation in the form of a scientific publication,
  - collaboration with farmers e.g. soil sampling for research, carrying out and developing surveys.
- b) preparation and presentation of seminars in the Institute,
- c) participation in the preparation of reports and research documentation, including reports during the Project implementation,



- d) participation in the promotion of the Project (e.g. including national and international conferences, and preparation of scientific papers in English, preparing and publishing posts for social media),
- e) participation according to needs in meetings and business trips related to the implementation of the Project.

## 2. Obligatory Requirements:

- a) **availability for work from 01.10.2023 r.,**
- b) master's degree in the biotechnology, biology, environmental protection or related sciences,
- c) experience and knowledge in the field of microbiology or molecular biology,
- d) documented experience in laboratory works as a result of student internship, graduate internship, or other laboratory practice,
- e) good command of the English language allowing to study freely professional literature and communication with Partners of international Project,
- f) availability to field trip and/or measurements,
- g) conscientiousness, accuracy, and ability to complete tasks in a timely manner,
- h) communication skills, as well as willingness and openness to work as part of a team,
- i) **PLEASE BE INFORMED that one of the obligatory requirements is an admission to the Interdisciplinary Doctoral School of Agricultural Sciences and undertaking studies from 01.10.2023. Details (documents, procedures, deadlines) are available on [the website](#).**

## 3. It would be nice if YOU additionally have:

- substantive knowledge of microbiological techniques used in the study of the activity and biodiversity of microorganisms as well as molecular biology methods are welcomed,
- working knowledge of R statistical software.

## 4. We offer:

- a) working with the Institute with the highest rank for research units according to the evaluation of the Ministry of Science and Higher Education (A+ rank), in the implementation of an interesting scientific project funded by the European Union,
- b) access to modern infrastructure for R&D,
- c) supervision of experienced researchers,
- d) opportunities for development and upgrading professional skills.

#### 4. Required documents:

- a) Curriculum Vitae with information regarding research skills and prior experience in science and research (including e.g. completed student internships) with the following clause:  
*„I allow my personal data stated in the abovementioned applications to be processed for the purpose of the recruitment by **the Institute of Agrophysics of the Polish Academy of Sciences** (20-290 Lublin, ul. Doświadczalna 4), in accordance with the General Data Protection Regulation (EU) 2016/679.“\**
- b) cover letter (max. 1 page of A4 typewritten text);
- c) copy of MSc diploma;
- d) recommendation letter issued by the research supervisor;
- e) declaration of availability to work in the Project from 01.10.2023.

please send **in electronic form via our Recruitment System by 06.09.2023:**

<https://career.ipan.lublin.pl/en/announcements/>

**In addition**, the Candidate should submit an application to Interdisciplinary Doctoral School of Agricultural Sciences according to information on [the website](#).

We kindly inform that we contact only chosen candidates. Applications that are incomplete, submitted after the deadline or in the different form than required will not be processed.

We also reserve the right to close the recruitment process before the deadline indicated above.

\*) Information clause on personal data is available on the following website:

<http://www.ipan.lublin.pl/wp-content/uploads/2019/02/information-clause-IA-PAS.pdf>