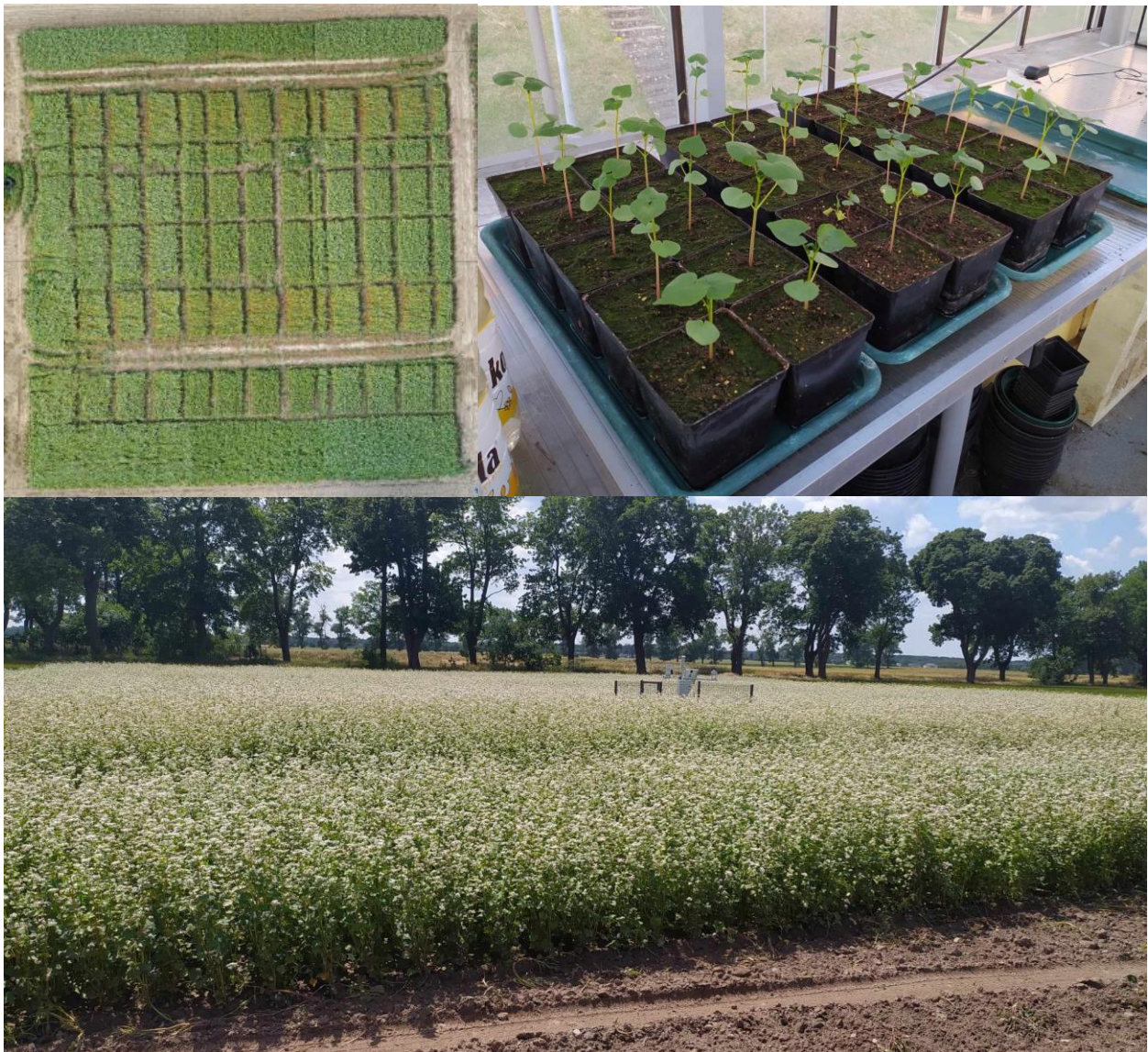


Are you an enthusiastic crop physiologist, ecophysiologicalist, or agronomist? Do you have experience with leaf-level gas exchange and puls-amplitude modulated (PAM) chlorophyll fluorescence measurements? Are you interested in minor crops and possibilities of drought impact mitigation? If you answered “yes, yes, yes”, we are searching for you.

Laboratory of Bioclimatology at Poznan University of Life Sciences (PULS), Poznan, Poland, is currently seeking an experienced scientist to fill the position of Post-doc in a project entitled “*Impact of the silicon on spectral and physiological properties of buckwheat varieties under the water-limited condition*” funded by National Science Center of Poland and Czech Science Foundation as a bilateral project granted to Laboratory of Bioclimatology, PULS in Poland and Department of Plant Physiology and Botany, Czech University of Life Sciences, Prague, Poland. The responsibility of the Polish partner is conducting the field experiment with different buckwheat varieties under ambient (stressed) and irrigated conditions with or without treatment by silicon to characterize the impact of variables on crop performance. The Czech partner conducts the experiments in a controlled environment and performs in-depth characterization of silicon impact.



The project started this year, and the first year of data and experience were and are being collected. The advertised position is for **three years**, and the **responsibilities** of the Post-doc in this project include:

- Leaf-level gas exchange and PAM chlorophyll fluorescence measurements by GFS-3000 and Imaging-PAM MINI (Walz, Germany)
- Leaf-level non-destructive measurements of chlorophyll content by CCM-300 (Opti-Science, USA)
- Relative water content and plant morphology measurements
- Data analysis
- Publications' preparation
- Co-supervision of PhD student
- Participation in project meetings within the laboratory and with Czech partners (meetings held in Poznan and in Prague)

The salary offered for the Post-doc position in the project is 12 000 pln per month super gross, which is **7 000 pln netto** (average in Poland is 5186 pln/month). To put the salary in the context of prices, it is possible to find 2-room apartments in the broader surrounding of the workplace (within 5 km, in Poznan, with possible commute by public transport) in 3 300 pln including bills, a 45-minute ticket for public transport in 6 pln, regular meal in restaurant or delivery is 40 pln, a big portion of very good home-made food including meat, vegetables, and side dish can be easily cooked in 20-25 pln.

In addition to a competitive salary, the Laboratory of Bioclimatology can offer a friendly, multinational environment that welcomes initiative and new ideas. The members of the team have great experience in writing successful national and international project proposals and are always ready to share the experience with younger or new team members. The candidate will also be encouraged to take part in cooperative programs that offer financial support for international exchange, meetings, and conferences. The plethora of available equipment and facilities like glasshouse are available for smaller experiments that can result in publications not directly related to the project or serve as preliminary data for future project proposals. All in all, the laboratory provides room to grow and does not present a burden for a curious mind.

The team of the project consists of:

- Prof. UPP doc hab. Anshu Rastogi (<https://www.researchgate.net/profile/Anshu-Rastogi-2>) – **principal investigator** – responsible for project management, coordination, students' supervision, and radiative transfer modeling
- Prof. Radoslaw Juszcak (<https://www.researchgate.net/profile/Radoslaw-Juszcak>) – **contractor** – responsible for canopy-level gas exchange measurements and flux modeling
- Dr. Marcin Strozecki (<https://www.researchgate.net/profile/Marcin-Strozecki>) – **contractor** – responsible for canopy-level gas exchange measurements and flux modeling
- Md. Rakib Hossain Raihan (<https://www.researchgate.net/profile/Md-Rakib-Raihan>) – **PhD student** hired in the full-time position in the project – responsible for canopy-level remote sensing and biophysical parameters measurements, data analysis, and publications' preparation

- Mar Albert Saiz (<https://www.researchgate.net/profile/Mar-Albert-Saiz>) – **PhD student** hired in the part-time position in the project – responsible for canopy-level gas exchange measurements and flux modeling
- Abdallah Abdelmajeed (<https://www.researchgate.net/profile/Abdallah-Abdelmajeed>) – **PhD student** hired in the part-time position in the project – responsible for unoccupied aerial vehicles operation and data processing
- Michal Antala (<https://www.researchgate.net/profile/Michal-Antala>) – **PhD student** hired in the part-time position in the project – responsible for canopy-level remote sensing and biophysical parameters measurements and analysis
- You?

The successful candidate has to:

- Hold a PhD degree in plant physiology, agronomy, or a related field recognized by the Polish Ministry of Education as equivalent to PhD degree obtained in Poland or PhD degree obtained from a Polish University
- Have work permission in Poland/European Union or be able to obtain it before the agreed starting date
- Have good English language skills (upper B2/C1 level; self-assessment – no need for an official certificate), enabling communication with other members of the team (who are from Poland, India, Bangladesh, Egypt, Spain, and Slovakia) and writing publications.
- Have proven scientific writing skills -> at least one publication as a first author in a journal with an impact factor (IF) over 6 or two in journals with IF over 5.
- Have experience with leaf-level gas exchange and PAM chlorophyll fluorescence measurements (ideally by GFS-3000, but similar systems are sufficient)

In addition, the candidate should be tolerant, open-minded, cooperative, and, most importantly, curious.

If you found yourself in the description and you would like to become a part of the Laboratory of Bioclimatology, please send the following **documents**:

- Scientific CV
- List of scientific achievements
- Motivation letter
- 2 recommendation letters
- Consent for processing the personal data for the purpose of the recruitment process

to michal.antala@up.poznan.pl by 10th September 2023.