



SCHOLARSHIP OFFER

The Faculty of Civil and Environmental Engineering of the Warsaw University of Life Sciences (WULS-SGGW) is looking for a **PhD student** at the Department of Hydraulic Engineering, Division of Hydrology and Water Resources. The person employed in this position will carry out research tasks within the framework of the SONATA 14 grant funded by the **National Science Centre** (NCN) entitled "The effect of river flow variability and extremes on biota of temperate floodplain rivers under multiple pressures" (No. 2018/31/D/ST10/03817). The objective of this project is to increase the understanding about the effects of river flow variability, with a particular focus on extreme low and high discharges, on biota (macroinvertebrates and fish) of temperate floodplain rivers under multiple pressures such as climate, land use and water use change. The project will explore three different pathways of studying **flow-ecology relationships**, each one suited and adapted to a particular spatial scale: (1) systematic review and meta-analysis synthesising findings from primary studies carried out within a homogenous European eco-region containing Poland; (2) statistical modelling carried out at national scale; (3) ecohydrological modelling using the integrated modelling framework (IMF) concept, supported by extensive field sampling, carried out at small to medium-sized catchment scale. The primary responsibility of the PhD student will be establishment of relationships between streamflow variability indices and ecological metrics related to fish and invertebrates status based on the systematic review findings and statistical modelling. An ideal candidate should thus have research interests at the interface of hydrology and river ecology as well as experience in working with statistical models. We are seeking for **highly motivated persons**, with an ability of teamwork and data analysis. The work will be carried out in a young, dynamic and inter-disciplinary team, giving the opportunity to implement one's own research ideas, scientific development and publication of articles in renowned scientific journals.

Required skills:

- MSc title (environmental engineering, environmental protection, ecology, earth science, ecology, applied maths or related disciplines);
- Very good knowledge of English, enabling writing of scientific papers, presentations at international conferences and smooth communication with foreign partners;
- At least basic programming skills (e.g. R, Matlab, Fortran), with a particular focus on statistical methods will be an asset
- Experience with GIS software (e.g. QGIS, ArcGIS);
- Experience in working with ecological and hydrological models will be an asset;
- Readiness to participate in short (up to 5 days) research stays in partner institutions (UK, Germany, Austria).

Formal requirements

The candidates have to fulfil the requirements issued in the Regulations on Awarding Scholarships in NCN-funded Research Projects



(https://www.ncn.gov.pl/sites/default/files/pliki/regulaminy/ncn_scholarships_in_projects_en.pdf). The candidates are advised to enrol to the Doctoral School of the WULS-SGGW.

Conditions:

Monthly scholarship **3,200 PLN**. Work period in the project - 36 months. Planned beginning date: **3 October, 2019** (the possibility of delaying the start by a maximum of one month). Additional information can be provided by the Principal Investigator: Dr. Mikołaj Piniewski, mpiniewski@levis.sggw.pl

Additional information:

The scholarship committee will select the candidate by **24 September 2019**. Candidates may be asked for additional information or to hold an interview with the scholarship committee members between 11 and 23 September 2019. Please be advised that we will only respond to selected offers. In the absence of satisfactory offers, the competition may be extended.

Submission deadline: 10 September 2019, 23:59 CET

Required documents:

- 1) Cover letter (in English);
- 2) CV with information on scientific achievements (in English);
- 3) A copy of a MSc diploma;
- 4) MSc thesis;
- 5) A letter of recommendation from the scientific supervisor (or contact details).

The application documents should be sent as PDF files to the following e-mail address mpiniewski@levis.sggw.pl (title „SONATA PhD”).

According to the NCN Guidelines the scholarship committee will take into account three criteria: (1) the candidate's research achievements, including publications in academic press/journals; (2) awards resulting from conducting research, scholarships, prizes and research experience gained outside the candidate's research unit at home or abroad, research workshops and training attended, participation in research projects; (3) candidate's competence as regards specific tasks in the research project.

Information clause:

Please be advised that all personal data that will be provided by you in the recruitment procedure conducted for the above-mentioned position by the Warsaw University of Life Sciences (hereinafter referred to as SGGW) will be processed by WULS-SGGW in order to carry out the above-mentioned recruitment procedure in accordance with Art. 6 par. 1 lit. a) Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46 / EC (General Data Protection Regulation), hereinafter referred to as RODO. The administrator of Personal Data is the Warsaw University of Life Sciences in Warsaw, with headquarters at ul. Nowoursynowska 166, 02-787 Warsaw. Personal data will be stored until the end of the recruitment procedure conducted by WULS-SGGW. In WULS-SGGW, there is the Data Protection Supervisor who supervises the correctness of personal data processing, which can be contacted via the e-mail address: iod@sggw.pl. In accordance with the provisions of the RODO, we would like to inform you that you have the right from WULS-SGGW as the Administrator of Personal Data to access your data, correct it, transfer and delete it, and limit the processing of data and filing a complaint to the supervisory body. Please be advised that we will only respond to selected offers.