



Selection procedure for Work-stay of Senior Researcher from abroad in the Czech Republic Faculty of Forestry and Wood Technology

The Dean of the Faculty of Forestry and Wood Technology of Mendel University in Brno (MENDELU) hereby announces a **selection procedure for work stay of Senior Researcher from abroad in the field of Agricultural Sciences.**

Research topics of Senior Researcher at MENDELU

- Modification of the wood and wood based materials for outdoor using (flooring, facades, shingle, construction beams, resistance assessment of modifications, gluing of this materials as assessment of aging effects of glued joint).
- Thermal and the other modifications (by VTC-process) of soft- or hard- woods (plantation grown) to improve properties (mechanical properties, hardness). Research of the changes in microscopic structure and chemical composition of modified wood.
- Fibre reinforcement of plywood and laminated glued wood and glulam. The use of natural fibre and other materials/ composite-fabric (for example carbon, glass, basalt) as reinforcement for plywood and glued wood. Utilization of reinforced fibre in the field of three-dimensional applications. The main research focus addresses the technological aspects arising from the interaction of the three components: wood, fibre and adhesive. Special interest will be put on the material behaviour under changing climate conditions and it's influence on the mechanical properties like MoR, MoE, Tensile and Shear Strength. Also the changing climate influence on the dimensional stability, the durability and the aesthetic view of the material/product will be in focus of the planned research.
- Using of beech wood in the buildings constructions (LVL, wood modification).
- Development of lightweight materials for the buildings constructions (actual implementation of the international Researcher in a DE – SE- UK – HU – SI – AT research consortium to test and apply light weight building materials in Hor2020 – Wood Value Chain Call 2018).

For the above announced mobility, **1 Senior Researcher will be selected.** The Selection Committee decides on the selection of the particular candidate.

Duration of mobility: 6 months

Estimated start of mobility: Q4 2018

The amount of work time during the period of mobility: 1,0 FTE (fulltime) on MENDELU with place of work in the Czech Republic – Brno.

Funding of the mobility will be fully covered by the Operation Programme Research, Development and Education project **“MENDELU international development”** (reg. no. CZ.02.2.69/0.0/0.0/16_027/0007953).

Deadline for submission of applications: September 14th 2018 till 4 p.m. CEST



Selection procedure applications must be sent electronically to an e-mail:
zuzana.zidova@mendelu.cz

Requirements:

The person selected to participate in the mobility must simultaneously meet the following criteria:

1. **Be a Senior Researcher from abroad** - A Senior Researcher shall mean a Researcher who was awarded a Ph.D. degree or similar (equivalent to Level 8 according to ISCED) 7 and more years ago and worked for at least 2 years over the period of the last 3 years in an organisation/organisations outside the Czech Republic in the field of research, with working time at least 0,5 FTE. Czech citizens are not excluded.
2. **Meet the following performance criteria of a Senior Researcher:**
 - a. H-index – minimum value of **7** (the Web of Science or Scopus is a source for evidence of required h-index value).
 - b. A contribution in at least one international grant or national grant over the last 5 years as a solver or co-solver (to the selection date of the Researcher).
 - c. Publication activity – in the last 5 years at least 3 publication outputs to the selection date of the Researcher (see Definitions of the terms used at the end of this document).

The applicant for the selection procedure **submits the following documents electronically (scanned documents sent by e-mail to above stated e-mail address):**

1. Diploma (or recognition).
2. Professional CV with a reference to publication activity.
3. Document(s) proving activities outside the Czech Republic for 2 years over the course of the last 3 years (can be submitted in the professional CV).
4. Evidence of the h-index value (an extract from the Web of Science or Scopus).
5. Motivation letter, where the link to MENDELU will be described – previous or current cooperation with the workplace at MENDELU where the researcher will work. The benefits of such cooperation will be considered.
6. Short description of planned research activities on which the Researcher will work during the mobility including description of connections to research conducted before the mobility.
7. Justification of the need for realization of the mobility considering the research field and a particular workplace where the mobility will be realized, as well as the relevance of the research. The objectives and benefits of mobility must be specific and clearly defined (e.g. the establishment of new or expansion of existing cooperation, establishing of contacts with the workplace, knowledge transfer, the transfer of research methods etc.).
8. Mobility schedule.



Definitions of the terms used

International grants shall mean funds received by the researcher in international grant competitions, particularly in H 2020, but also in other international programmes and schemes when an international or multinational institution decides on the selection of the grant beneficiary in the competition (e.g. European Commission, COST, European Science Foundation, foreign grant agency, foreign foundation awarding research grants etc.). At the same time, the International Grant must meet the following conditions: a) it is an international grant in the RDE field, b) projects from different states compete with each other, c) at least a portion of the funds received (private or public) originate from foreign sources.

Mobility shall mean a working stay of a Researcher from abroad in the Czech Republic.

National grants shall mean funds received by the researcher in grant competitions at the national level in the RDE field. Internal grants of individuals cannot be deemed national grants.)

Publication activity shall mean an expert publication registered in Thomson Reuters Web of Science, Scopus or ERIH PLUS databases and at the same time, publications such as “articles”, “books”, “book chapters”, “letters” and “reviews”.)