

The Director of the Institute for Nanomaterials, Advanced Technologies and Innovation, Technical University of Liberec announces the following selection procedure for the position:

FIRST STAGE RESEARCHER AT THE DEPARTMENT OF NANOMATERIALS IN NATURAL SCIENCES

8280 - TR 4

Job description:

- Researcher at the „Laboratory of water technology and remediation“ at the „Department of nanomaterials in natural sciences“ – researcher in the field of biological treatment processes
- Research and publication activities, self-education activities, preparation and implementation of projects, laboratory and field verification of new processes and attaining knowledge

Required qualifications:

- Advanced experience in the field of biological treatment processes, especially with methods and laboratory procedures of water technology.
- Theoretical and practical experience with respirometric methods and respirometers for evaluation of kinetics of sewage processes and testing of biodegradability and toxicity of organic substances and nanomaterials to the water treatment microorganisms.
- Practical experience with the operation of models for biological treatment plant technologies.
- Experience in the preparation and testing of nanomaterials properties.
- Experience with the implementation of R&D projects, including the willingness to participate in the preparation and implementation of new R&D projects.
- Experience working in an accredited water analysis laboratory.
- Ability of critical thinking and independent decision making
- Ability of detailed and multicriterial analysis of solution
- High level of creativity and inventiveness in solving demanding technical projects and technological problems.
- Ability to meet deadlines.
- Ability to work independently and in teams.
- Ability to finalize assigned tasks.
- Flexibility, responsibility and proactive approach, autonomy, communicativeness.
- Experience with presentation of scientific and research results at foreign conferences.
- Experience with publishing of results in Impact journals (ISI WOS or Scopus databases).

Required education and practice:

- Completed Master's degree in technical / natural sciences in the field of nanotechnologies, nanomaterials, evaluation of their properties including image analysis methods
- Provable (at least one year) praxis in a science-research laboratory of water technology
- Praxis with implementation of R&D projects
- Knowledge of the Czech language, knowledge of the English language in speech and writing, another foreign language is an advantage
- Group B driving license



Employment relationship:

- Part time 50%, eventually upon agreement,
- The contract will be concluded for 2 years, or in case of an agreement (*max. 3 years*) with the opportunity of prolongation in relation to the project realization and internal TUL regulations

Date of commencement of employment:

- June 2019, eventually upon agreement

Salary:

- Wage rate C1 (R1) according to the TUL Internal wage regulations in relation to the position and expert praxis
- Possibility of granting a personal bonus after the trial period in connection with the performance evaluation

Working conditions and wage classification is governed by the Work rules, Inner wage regulation of the Technical University of Liberec, the Labor Code and the Regulations

We offer:

- interesting, varied and responsible job
- 6 weeks of holidays (30 days)
- flexible working time
- university canteen
- university kindergarten
- children's playground for toddlers
- possibility of accommodation in the university dormitory
- pension or life insurance benefits
- language courses in the University language school

The application form must be accompanied with the following paper documents:

- a) brief CV
- b) brief description of previous professional activities
- c) evidence of completion of education, evidence of professional competence and membership in professional associations

In the first round, the paper documents will be assessed, in the second round, selected candidates will be required to undergo personal interviews. All applicants will be informed about the result within 30 days from the end of the selection process. Please, submit the application together with the above mentioned documents by email or mail no later than on May 15, 2019 to the following address:

**Technical University of Liberec
Personnel Department
Studentská 2
461 17 Liberec 1**

Contact person: Mgr. Jitka Havlíková, Personnel Department
e-mail: volnamista@tul.cz

The announcement of the above mentioned position is made public from April 15, 2019 on the official board of the Technical University of Liberec (<http://www.tul.cz/uredni-deska/uredni-deska-tul/vyberova-rizeni>)



[volna-mista](#)), on the web page of the Institute for Nanomaterials, Advanced Technologies and Innovation <http://cxi.tul.cz/o-nas/volna-pracovni-mista.html>, on the employment portal of the Ministry of Labour and Social Affairs (<http://portal.mpsv.cz>), and on the portal: (<http://www.euraxess.cz/>)

