

Director of
Nanotechnology Centre
VSb – Technical University of Ostrava
announces a selection procedure for a post of
Researcher MEL (D)
for project REFRESH - Research Excellence For REgion Sustainability and High-tech Industries (CZ.10.03.01/00/22_003/0000048), research program 3 – ADVANCED MATERIALS CHARACTERIZATION supervised by Prof. Radek Zbořil

The position is suitable for both women and men.

workplace website: <https://mel.vsb.cz/en/>

Prof. Zbořil: <https://scholar.google.com/citations?user=VDafX9gAAAAJ&hl=cs&oi=ao>

The Nanotechnology Centre, and Centre of Energy and Environmental Technologies, at the VŠB–Technical University of Ostrava are seeking highly motivated, ambitious and interdisciplinary post-doctoral scientists in the fields of nanomaterials and catalysis. The ideal candidates should have a strong background in the field, evident from their publication record. The synthesized materials will be thoroughly characterized and tested for targeted applications, focusing on various fields of catalysis. The successful applicants will become part of a focused and motivated international team with exceptional infrastructure available on-site.

Activity description:

You will contribute to the design, synthesis, and mechanistic understanding of functional materials, and evaluate their performance in targeted photocatalytic and energy-conversion processes. We offer excellent infrastructure, strong cross-institutional collaborations, and the opportunity to drive high-impact research in a focused, supportive environment.

Full time equivalent:	1,0
Type of job contract:	a two-year contract (possibly extended up to five-years)
Expected start of employment:	1. 4. 2026 or as agreed

We require:

- Phd in Chemistry, Materials Science or Engineering
- independently solving complex scientific research tasks in their field
- actively publishing high quality scientific articles
- conducting independent research and collaborate with other members of the research team
- excellent scientific writing and communication skills in English
- data collecting for specific project outputs and their completion
- participating in the implementation of collaborations within research projects
- 3 months' foreign experience at least
- H-index 7 at least, or 100 citations at least
- experience of working abroad or with international research teams and basic/applied/contract research projects

We offer:

- Excellent infrastructure for materials synthesis/characterization, electrochemistry lab, chromatographies, XRD/XPS, electron microscopy, and others
- Collaborative environment across Nanotechnology Centre, CEET, and CATRIN, with opportunities for international collaboration
- Work on interesting up-to-date research topics with high application potential
- Motivating financial conditions and performance-driven bonuses
- Salary evaluation according to project conditions and candidate's experience
- 6 weeks of holidays
- Flexible working hours
- University kindergarten
- Possibility of contributing to a supplementary pension scheme
- Company catering in the canteen
- MultiSport card
- Other employee benefits according to the employer's offer

Your personal data will be processed to the extent necessary for the implementation of the selection procedure in accordance with EU Regulation 2016/679.

<https://www.vsb.cz/export/sites/vsb/en/.content/files/Informace-pro-uchazece-o-zamestnani-AJ.pdf>

E-mail the curriculum vitae, copies of documents on the acquired qualification, and a motivation letter to **March 31, 2026** to: aristeidis.bakandritsos@vsb.cz.

In the subject of the email, please state "Researcher MEL (D)".



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