

RECTOR OF THE UNIVERSITY OF SILESIA IN KATOWICE

announces the open call for **Assistant Professor (post-doc)** position in the **research employees' group** in the project: H2020 FET Proactive

Place of work: Faculty of Science and Technology

Job location: Katowice 40-007, ul. Bankowa 14

Number of available positions:1

Nr ref: 6/2021/NA/WNST/ICH/101017758

Key words: calorimetric measurements, physical chemistry, interfacial phenomena, wettability

Applications to the contest may be submitted by those who meet the conditions defined in Art. 113 of the Act of 20 July 2018 – *Law on Higher Education and Science* (Journal of Laws of 2020, item 85, as amended).

RESPONSIBILITIES:

- formulating research hypotheses and planning experiments in the scope of the research tasks of the H2020 FET Proactive project entitled: „Electro-Intrusion. Simultaneous transformation of ambient heat and undesired vibrations into electricity via nanotriboelectrification during non-wetting liquid intrusion-extrusion into-from Nanopores “(ELECTRO INTRUSION) under the tutelage of Assoc. Prof M. Chorążewski, Professor of the University of Silesia,
- analysis, interpreting and working with data, preparation of reports,
- participation in presenting and publishing research results in journals with the number of points above the cut-off point for the discipline Chemical sciences,
- other tasks connected with the scientific activity for the project, assigned by the project leader,
- teaching the academic staff, including scientific cooperation with doctoral students,
- other organizational duties for the University arising from the University regulations.

QUALIFICATION REQUIREMENTS:

- doctoral degree in Chemical sciences, Chemical engineering, Materials engineering or Physical sciences awarded not earlier than 7 years before the date of the planned employment in the project,
- fluent in written and spoken English (minimum B2),
- experience in conducting research in the discipline of Chemical sciences, Chemical engineering, Materials engineering or Physical

sciences documented by scientific achievement indexed in Scopus or in the Web of Science,

- documented scientific achievement that proves conducting research in the scope of surface tension measurements, contact angles measurement, Differential Scanning Calorimetry (DSC) or Thermogravimetric analysis (TGA),
- publications in scientific journals with the high IF factor (the lead author or the corresponding author preferred),
- experience of laboratory work in the scope of calorimetric measurements: DSC or TGA, surface tension measurement and wetting angles measurement, documented by publications,
- ability to independently communicate research results orally and in writing, especially self-editing manuscripts of scientific publications and spoken presentation of results, especially in English,

ADDITIONAL REQUIREMENTS:

- experience in research of energy storage and conversion systems,
- experience in research and modeling of different phenomena in Nanoscale, particularly including modeling of wetting phenomena in the Nanoscale in the liquid-solid systems, proved by publications,
- experience in research using high pressure calorimetry confirmed by publications,
- readiness for scientific mobility,
- readiness to share one's knowledge and experience with others, especially with doctoral students working in the same research group,
- experience in cooperation in the research team,
- self-reliance, good work organization skills,
- presenting minimum 2 letters of recommendation

WE OFFER:

- full time employment under the fixed term employment for 2 years,
 - remuneration in the amount of 12 000 PLN per month (including employer contributions),
 - employment at the University as a primary place of work,
 - task-based working time,
 - an opportunity for further professional development,
 - social benefits package,
 - group life insurance for the University employees, their spouses/partners and adult children,
 - private medical care as a part of an additional health insurance for the University employees, their spouses/partners and children,
 - the Occupational Pension Scheme and the group pension insurance
- POGODNA JESIEŃ

REQUIRED DOCUMENTS:

- scientific CV and cover letter,
- copies of the documents confirming fulfillment of qualification requirements (including copy of the PhD diploma or certificate awarding the PhD degree),
- list of publications,
- 2 letters of recommendation
- other documentation confirming candidate's scientific achievements

SCHEDULE OF THE CALL:

- Application deadline: **13th March 2021 (11:59 p.m.)**
- The open call will be resolved till the **13th April 2021**

APPLICATIONS:

Sending application in response to this Call means accepting the GDPR information clause

[GDPR information clause](#)

Applications received after the deadline, incomplete applications and applications submitted in any other way than defined in the open call announcement shall not be considered. The University reserves the right to leave the call unresolved.

IMPORTANT NOTICE

The necessary condition for employment of the candidate selected as a result of the Call is their fulfillment of the obligation arising from art. 265 section 5, and 13 of the Act: *Law on Higher Education and Science* of 20th of July 2018 (Journal of Laws of 2020, item 85, as amended).

In the case of foreign candidates, whose diplomas granting scientific degrees require nostrification according to the Polish law, can be employed only after fulfilling nostrification procedures.

The required documents shall be submitted by electronic means using the below application form:

[Application Form](#)