

Assistant Professor (post-doc) in the employee group of research staff 47/2023/NA/WNST/ICb/p-d

Location: Katowice

Reference Number.: 47/2023/NA/WNST/ICb/p-d

RECTOR OF THE UNIVERSITY OF SILESIA IN KATOWICE

announces the open call for the position of **Assistant Professor (post-doc) in the group of research staff**

Place of work: Faculty of Science and Technology, Institute of Chemistry

Job locations: Bankowa 14, 40-007 Katowice, Bankowa 12, 40-007 Katowice

Number of available positions: 1

Key words: Thermal Energy; Nanofluid Synthesis; Composite Materials; Material Characterization; Computational Modeling

Applications to the open call may be submitted by those who meet the conditions specified in Section 113 of the Act – Law on Higher Education and Science of 20 July 2018 (i.e., Journal of Law 2023 item 742).

KEY RESPONSIBILITIES:

- Conducting scientific research in the project NCN SONATA 18, entitled: „*Next-generation scalable nano-enhanced thermal Energy storage composites of unprecedented performance*”. The main tasks performed as a part of the project are, among others:
 - synthesis of nanofluids,
 - preparation of composite phase change materials,
 - chemical, thermal, physical and microstructural characterization of the composite phase change materials,
 - generating a comprehensive database of material properties for the synthesized and fabricated composites,
 - computational and thermodynamic modelling, and computer simulation of composite phase change materials, assessing their behaviour and properties under varying thermodynamic and environmental conditions,
 - educating the scientific staff and supporting young researchers, doctoral students, and MA students in their scientific research,
- publication of research results in journals with Impact Factor (IF) and number of ministerial points above the cut-off value for the discipline of chemical sciences,
- dissemination of scientific research results, and participation in conferences in the candidate's country as well as in the international conferences,
- participation in research projects financed from the external sources in candidate's country or/and foreign sources or/and undertaking the activities aiming to get the financing for a project,
- realization of the organizational tasks in accordance with the university regulations in force, for the faculty or for the University,
- realization of the organizational tasks in accordance with the Individual Assignment of Duties.

More information about the project: [TERMODYNAMICS \(us.edu.pl\)](https://www.us.edu.pl/termodynamics)

QUALIFICATION REQUIREMENTS:

- minimum PhD in the discipline of chemical sciences/materials science and engineering/chemical engineering or physical sciences granted not earlier than 7 years before the date of employment in the project,
- fluency in English both written and spoken (minimum B2 level),
- documented scientific research indexed in the Scopus or Web of Science databases in the discipline of chemical sciences/materials science and engineering/chemical engineering or physical sciences – published in the journals with a high IF,
- strong knowledge and hands-on experience in measuring thermal properties, specifically specific heat capacity and thermal conductivity,
- familiarity with the operation of Laser Flash Analysis (LFA) apparatus and compression test machine,
- basic knowledge of computational techniques and software tools for modelling of the composite phase change materials,
- competences allowing for internationalization of the scientific activity,
- experience in realizing/acquiring research projects,
- experience in conducting the international research activity (stays in the scientific centres abroad).

ADDITIONAL REQUIREMENTS:

- experience in the statistical analysis with particular emphasis on the multiparameter regression,
- experience in conducting chemical and microstructural characterization, particularly with tools such as XRD, XRT and SEM-EDS,
- experience in measuring contact angles,
- demonstrated ability to work independently and in a team,
- high organizational skills,
- ability to manage multiple tasks simultaneously,
- readiness for scientific mobility,
- willingness to share knowledge and experience with others.

TERMS OF EMPLOYMENT:

- full time employment based on a basis of the fixed-term employment contract for the period of 3 years,
- employment at the University as the primary workplace,
- monthly remuneration in the amount of **8986,00 PLN gross** (including seniority bonus if applicable),
- additional remuneration components in accordance with the Remuneration regulations of the University of Silesia,
- pro-quality bonus for special achievements according to regulations in force,
- task-based working time,
- opportunity for further professional development,
- social benefits package,
- group life insurance for the University employees, their spouses/life partners and adult children,
- private medical care as part of additional health insurance for employees of the University and their spouses/life partners and children,
- ability to join the Occupational Pension Scheme and the group pension insurance POGODNA JESIEN.

REQUIRED DOCUMENTS:

- academic curriculum vitae (CV) with a motivation letter,
- copies of documents confirming qualifications (including the PhD diploma or certificate granting the PhD degree, and MA diploma or equivalent degree diploma),
- candidates statement that during the period when the candidate receives the remuneration for their full-time work in the project, they shall receive neither remuneration from the funds assigned as a part of direct costs in research projects financed by the NCN programmes, nor remuneration arising from the employment contract concluded with other employer, also from the employer with residence beyond Poland,
- other documentation mentioned in the open call requirements.

SCHEDULE OF THE CALL:

- application submission deadline: **2nd of January 2024 (11.59 p.m. CET)**
- the selection process will be concluded by: **2nd of March 2024**

APPLICATIONS:

Submitting an application in response to this Call means accepting the GDPR information clause available in the Application form.

The required documents shall be submitted electronically using the application form, available by clicking “Apply”.

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.

Apply

IMPORTANT INFORMATION:

The Selection Committee decides about the resolution of the open call or leaving the open call with no result. The final, binding decision on employment of the selected candidate belongs to the Rector.

The condition necessary for employment of the candidate selected in the selection proceedings is the fulfilment of the obligations arising from Section 265(4), (5), (13) of the Act – *Law on Higher Education and Science* of 20 July 2018 (i.e., Journal of Law 2023 item 742).

In the case of applying for employment at the University of Silesia in Katowice as the primary place of work, candidates employed in other higher education institutions as their primary place of work, should, as of the day of their employment, fulfil the requirement defined in art. 120, section 2 of the Act – *Law on Higher Education and Science* of 20 July 2018 (i.e., Journal of Law 2023 item 742) according to which an academic may have **only one** primary place of work at a time.

In the case of person selected as a result of the open call selection procedure, who has obtained their academic degree, their degree in arts or their professional title abroad, and whose academic degree, degree in arts or their professional title has not been recognized as equivalent with the adequate Polish degree or title, employment of such person is possible in accordance with art. 116 section 2a of the Act – *Law on Higher Education and Science* of 20 July 2018 (i.e., Journal of Law 2023 item 742) in accordance with the procedure in force at the University.

Additionally we want to inform that the candidate must fulfil the following conditions:

- The candidate has received their PhD in other higher education institution than the University of Silesia in Katowice.
- The project manager/coordinator was not a dissertation advisor or auxiliary dissertation advisor in the candidate's PhD course.
- During the period when the candidate receives the remuneration for their full-time work in the project, the candidate shall not receive any remuneration from the funds assigned as a part of direct costs in research projects financed by the NCN,
- During the period when the candidate receives the remuneration for their full-time work in the project, they shall not receive any remuneration arising from the employment contract concluded with other employer, also from the employer with residence beyond Poland.
- During the period when the candidate receives the remuneration for their full-time work in the project, the candidate shall not receive pension from the social insurance system.

GDPR information clause for the candidates

1. Personal data controller

The University of Silesia in Katowice is the controller of your personal data. You can contact the controller in the following manner:

- by post to: Bankowa 12, 40-007 Katowice
- by e-mail: administrator.danych@us.edu.pl

2. Data protection supervisor

You may contact the Data Protection Supervisor in all matters concerning the processing of your personal data and the exercise of your rights relating to the processing of data as follows:

- by post to: Bankowa 12, 40-007 Katowice
- by e-mail: iod@us.edu.pl

3. Purposes of the processing and legal basis of the processing

We will process your personal data to:

- assess your qualifications, abilities and skills required for the position you are applying for,
- select the right person to work with us.

The legal basis for the processing of your personal data is Article 6(1)(a), (c), (e) and (f) and Article 9(2)(a) of 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 the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation):

- Your consent to the processing of personal data provided in your CV and the cover letter; if you provide us with data other than your: first names and surname; date of birth; contact details; educational background; professional qualifications; your employment history to date.
- Your consent to the processing of your personal data in order to use it in the next recruitment processes conducted by the University of Silesia in Katowice for the next 9 months.

Your personal data which cannot be processed pursuant to legal provision will be processed when the candidate expresses his/her voluntary consent thereto.

- Your explicit consent to the processing of special categories of personal data i.e. sensitive data, as referred to in Article 9(1) of GDPR (inter alia health data), provided on the applicant's own initiative;
- fulfilling the legal obligation resting upon the controller, resulting from Article 22¹ paragraphs 1 and 2 of the Labour Code, with regard to the personal data which the employer requires from the candidate, i.e. first and last names; date of birth; contact details; and in case it is necessary to perform a specific type of work or on a specific position, it also requests information on education; professional qualifications; history of previous employment. The processing of your personal data for purposes and within the scope exceeding the aforementioned personal data requires your voluntary consent (Article 221a of the Labour Code).

The provision of personal data is a statutory requirement, necessary for participation in the recruitment process. If you do not provide the data, it will not be possible to accomplish the aforementioned purpose.

- to comply with the legal obligation resting upon the controller, resulting, in particular, from the Act on Higher Education and Science, and implementing provisions issued on the basis thereof. Processing of your personal data for the purposes of and within the scope exceeding the personal data necessary for the purposes of the competition procedure requires your voluntary consent.

The provision of personal data is a statutory requirement, necessary for the purposes of the competition procedure. If you do not provide the data, it will not be possible to accomplish the aforementioned purpose.

- fulfilling the task executed in the public interest, resulting in particular from Article 11(1) of the Law on Higher Education and Science;
- our legitimate interest as regards the data collected during the recruitment process in order to verify your skills and ability to work on the position you apply for.

The Act on Higher Education and Science, on the one hand, imposes public tasks on higher education institutions which they must carry out (Article 11(1)), and, on the other hand, guarantees them autonomy in all areas of their operation on conditions laid down in the Act (Article 9(2)), which allows higher education institutions to define their own detailed objectives and forms of activity within the framework of the status defined by law. A higher education institution as an academic community composed of staff, students and PhD students, exercising the tasks set forth in the Act, enjoys the autonomy granted and is guided by the European academic tradition. .

4. Period of storage of personal data

Your personal data collected in the current recruitment process will be stored until the end of the recruitment process. In case of expressing additional consent to the use of personal data for the purposes of future recruitments, they will be processed for a period of 9 months, but no longer than until the withdrawal of your consent.

5. Data recipients

Your personal data will not be transferred to any third parties.

6. Rights relating to the processing of personal data

You have the following rights in relation to the processing of personal data:

- the right to withdraw your consent to data processing, see below;
- the right of access to your personal data;
- the right to demand the rectification of your personal data which are incorrect and supplementing incomplete personal data;
- the right to have your personal data removed, in particular if you withdraw your consent to the processing, when there is no other legal basis for the processing;
- the right to demand a restriction of the processing of your personal data;
- the right to object to the processing of your data, due to your specific situation, in cases where we process your data on the basis of our legitimate interest, including for direct marketing purposes, or for the fulfilment of a public task. NOTE: in the case of processing data for direct marketing purposes, objections may be raised at any time regardless of the specific situation,
- the right to transfer your personal data, i.e. the right to receive your personal data from us, in a structured, machine-readable, commonly used IT format. You may send the data to another data controller or request that we send your data to another controller. However, we will only do so if such a transfer is technically feasible.
- You only have the right to transfer your personal data if we process the data in an automated way, i.e. in electronic form, on the basis of a contract with you or on the basis of your consent;
- the right not to be subject only to automated decision making, including profiling
- the right to lodge a complaint with the data protection supervisory authority, i.e. the President of the Office for Personal Data Protection,

The right to withdraw consent

To the extent that your data are processed on the basis of your consent, you have the right to withdraw your consent to data processing at any time. The withdrawal of consent does not affect the lawfulness of the processing that was carried out on the basis of your consent before it was withdrawn. You may withdraw your consent by sending a statement of withdrawal to our postal address or e-mail address: iod@us.edu.pl.

*_concerns only the candidates applying for academic positions