

## ANNOUNCEMENT OF THE CONTEST

Institution: **Central Mining Institute - National Research Institute**

City: **Katowice**

Position: **Assistant Professor**

Scientific discipline: **environmental engineering, mining, and power engineering**

Date of announcement: **06.03.2026**

Closing date for delivery of applications: **22.03.2026**

Link to the website: [www.gig.eu](http://www.gig.eu)

Keywords: **environmental analyses, product life cycle assessment, carbon footprint, solid fuel, biomass and waste conversion technologies**

### **Place of work**

Central Mining Institute – National Research Institute

Department of Energy Efficiency, Environmental Monitoring and Alternative Fuel Technologies

Katowice, Plac Gwarków 1

### **Scope of duties performed in the position:**

- Conducting scientific and applied research in the areas of life cycle assessment (LCA), carbon footprint, and environmental analyses of industrial processes, including the development of environmental models using SimaPro software and LCI databases;
- Conducting research related to industrial processes, particularly mining, mine methane emissions and management, mine operation systems, and solid fuels, biomass, and waste conversion technologies;
- Participating in research and development projects related to CO<sub>2</sub> capture, storage, and monitoring (CCS) technologies, analyzing storage potential in Poland, and assessing the environmental impact of CCS processes;
- Planning and conducting instrumental studies using FTIR spectroscopy (tablet method, DRIFT, ATR) for carbonaceous materials and environmental samples, including the analysis of results and the interpretation of spectra;
- Preparing environmental analyses and documentation for Environmental Product Declarations (EPDs) in accordance with ISO 14025 and EN 15804+A2 standards and EPD operator guidelines;
- Conducting research and publishing in the areas of LCA, environmental impacts of industrial processes, fuel conversion technologies, carbon footprint, methane, CCS, and carbon-based materials;
- Developing statistical analyses and interpreting results for research and implementation projects, including preparing reports, studies, and presentations;
- Collaborating with local government units on decarbonization projects and strategic documents related to climate policy, conducting workshops and training sessions for local government representatives;
- Participating in national and international scientific conferences, presenting research results, and representing the unit;
- Collaborating with industry on environmental process assessments, data preparation, technological analyses, and studies for sustainable development;
- Participating in the preparation of project proposals and managing research tasks within national and international projects.

### **Requirements for candidates for the position of assistant professor:**

- A doctoral degree in engineering, technology, or natural sciences;
- Theoretical and practical knowledge of standardization issues related to life cycle assessment, with particular emphasis on applications in mining and conventional energy;

- Knowledge of relevant issues, including the EU legal context, regarding: carbon footprint reporting (CSRD), renewable energy sources (RED II/RED III), methane regulations, carbon dioxide storage, and regulations on emissions from mining plants;
- Research experience in the area of thermal conversion technologies for solid fuels, biomass, and waste;
- Experience in LCA analyses, carbon footprint calculations for products and organizations, and the preparation of EPDs compliant with ISO 14025 and EN 15804+A2;
- Ability to use LCA modeling software and perform statistical data analysis;
- Experience in performing instrumental FTIR analyses of carbonaceous materials and environmental samples;
- Publication record in the required scientific competencies;
- Experience in implementing national and international research projects; experience in managing projects or parts of projects is an asset;
- English language proficiency at least at B2 level, confirmed by a certificate.

**List of required documents:**

- Application for the Assistant Professor position;
- CV;
- Copies of Ph.D. diploma and other relevant diplomas or certificates;
- Brief information about the candidate's scientific interests and current achievements in research and development, particularly around required scientific competences (list of publications, patents obtained, participation in national and international research projects, etc.);
- Description of professional experience in the field covered by the position and the requirements specified in the competition announcement;
- Candidate's declaration on the acceptance of the contest terms and conditions and a personal survey of a candidate applying for employment.

**Working conditions and remuneration:**

- Employment based on a part-time contract (0.7 FTE);
- The primary form of performing the duties of this position is office work at the Institute's headquarters in Katowice;
- Total remuneration no less than PLN 5,800.00 PLN gross per month (for 0.7 FTE).  
Remuneration includes: basic salary, seniority allowance and variable components depending on the employee's scientific and project activity and the completion of assigned tasks.

**IV. Tender submission term and location:**

Tenders with the full set of documents should be e-mailed to [rekrutacja@gig.eu](mailto:rekrutacja@gig.eu), filed personally at the GIG General Administrative Office or mailed to Central Mining Institute - National Research Institute, 40-166 Katowice, Plac Gwarków 1 Poland by 22<sup>nd</sup> March 2026

The tenders should be marked as: 2/2026 – Assistant Professor SO  
Estimated selection end date – April 2026

**V. Other information**

The candidate for the academic position will be selected in accordance with the Regulations for conducting competitions for academic positions at the Central Mining Institute.  
The Central Mining Institute-PIB reserves the right to close the competition without selecting a candidate