



## **JOB VACANCY ANNOUNCEMENT**

Babeș-Bolyai University seeks to fill the position of **research assistant**, vacant within the project **PN-IV-P2-2.1-TE-2023-1587 "A Decision Support System Based on Near Real-Time Monitoring of Hazardous Particulate Matter in the Atmosphere"**, on a fixed-term contract (established according to the funding of the project and implementation schedule of activities), full time.

### **Required qualifications for applicants:**

- PhD student – business informatics
- Bachelor's degree – engineering/ related fields
- Very good Romanian language skills
- Very good English language skills
- fulfilling the standards provided in the Competition Methodology for filling vacant teaching and research positions in UBB - approved by Senate Decision no. 22338/03.12.2018, art.11  
([https://www.ubbcluj.ro/ro/infoubb/posturi\\_vacante/files/METODOLOGIE\\_concurs\\_ocu\\_pare\\_posturi\\_aprilie\\_2020.pdf](https://www.ubbcluj.ro/ro/infoubb/posturi_vacante/files/METODOLOGIE_concurs_ocu_pare_posturi_aprilie_2020.pdf))
- Ability to analyze and optimize automated production processes;
- Knowledge of Python programming and the use of relational and NoSQL databases (SQLite, MongoDB), C/C++ for Arduino applications, ROS (Robot Operating System), and Siemens PLC programming in TIA Portal using Ladder Diagrams and Function Blocks;
- Teamwork skills.

### **Application file**

In order to apply for the vacancy recruitment process, the applicants will submit to **Human Resources Department** (Str. I.C. Brătianu nr.14) or will email to **pirv.delia@ubbcluj.ro**, until **08.07.2026 at 16:00**, the following documents:

1. application for recruitment and selection process (standard form),
2. copy of the document proving the identity,
3. copies of documents proving the level of qualification and other specialisations pursued,
4. documents proving the professional experience required for the position,
5. curriculum vitae in Europass format,
6. list of published papers, if applicable,
7. other documents relevant to the recruitment and selection process.

### **Application files selection**

Applicants' files will be reviewed within one working day from the end of the submission period in order to determine their suitability for the vacant post according to the specific criteria and requirements outlined in the published vacancy notice.

The results of the application files selection will be posted on **09.07.2026**, by indicating the registration number of the application file.

Appeals against the results of the application files selection can be submitted within one working day from the date of posting the results, to **Human Resources Department** (Str. I.C. Bratianu nr.14) or will email to **pirv.delia@ubbcluj.ro**.

Appeals will be answered within one working day after the submission deadline.

Only shortlisted candidates following the reviewing of application files will participate in the selection tests.

### **Recruitment proceedings**

**1. Application files screening** according to the following criteria:

- scientific/professional activity of the candidate
- experience in the required field
- quality of scientific collaborations, depending on the candidate's field of expertise
- candidate participation in research-development projects

**2. Interview** assessing the extent to which candidates meet the criteria that are necessary for successful performance in the position, motivation and readiness assessed according to the following criteria:

- professional knowledge
- abilities and skills required to perform the job
- candidate's motivation

The interview will take place on **14.07.2026**. The participants will be informed in advance about the time and location (online included) of the interview.

The final score of the recruitment and selection process is calculated as the arithmetic mean of the scores obtained in the selection tests. The candidate who obtained the highest final score will be admitted, but applicants must score a minimum of 7 points in each competition test.

In case of equal final scores, ranking is performed by considering the interview score as a tiebreaker.

### **Results and appeals**

The results of the recruitment and selection process will be published on the official website of the institution on **14.07.2026**, by indicating the registration number of the application file.

Candidates who are not satisfied with the outcome of their assessment will have the right to appeal within maximum one working day from the publishing of the results.

Appeals will be submitted to **Human Resources Department** (Str. I.C. Bratianu nr.14) or will email to **pirv.delia@ubbcluj.ro**.

Appeals will be answered within one working day after the submission deadline.

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