



INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE
PENTRU TEHNOLOGII IZOTOPICE ȘI MOLECULARE

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ANNOUNCEMENT

The National Institute for Research and Development in Isotopic and Molecular Technologies, Cluj-Napoca, is organizing a selection contest for the position of **Research Assistant** in the field of **Chemistry/Chemical Engineering/Biotechnology/Material Science** or related fields, with a part-time contract of **25 hours/month**, for a fixed period until June 30, 2026, within the research project entitled “**Synthesis of Dendrimers Containing Sulfonium Ions in the Backbone for Antibacterial Applications**,” project code **PNRR 108** from July 31, 2023.

Description of the vacant (temporary) position: The selected candidate will be involved in activities related to the analysis and characterization of compounds and materials outlined in the project.

Specific conditions for the Research Assistant position:

- The candidate must be a graduate with a bachelor's degree or a master's degree in one of the following fields: **Chemistry/Chemical Engineering/Biotechnology/Material Science**, or related fields, and experience as required by Law No. 183 of June 10, 2024, regarding the status of research, development, and innovation personnel.
- Experience in research and development projects.
- Knowledge in using and operating measurement and control equipment, physical-chemical analysis techniques, calibration, and operation of advanced research equipment.
- Intermediate knowledge of foreign languages, with English being mandatory; knowledge of other languages is an advantage.
- The candidate must be available for travel within the country and abroad, if necessary.
- PC skills: proficiency in using text processing software and statistical tools.

Contest procedure:

- **Document review** (eliminary): The candidate's application will be evaluated; missing documents or failure to meet any mandatory requirement will lead to exclusion from the contest. The results of the document review will be posted on the INCDTIM website, with the mention "admitted" or "rejected."
- **Written test** (eliminary): This will take place at INCDTIM's headquarters, lasting two hours, with topics related to the announced theme. Results will be posted on the INCDTIM website, with the mention "admitted" or "rejected." Candidates who score at least 7 (seven) in the written test will proceed to the oral test.
- **Oral test** (eliminary): This will take place at INCDTIM's headquarters and will involve presenting scientific activity. Candidates must score at least 7 (seven) in the oral test. Results will be posted on the INCDTIM website with the mention "admitted" or "rejected."
- The results of the contest will be evaluated by each member of the commission with scores from 1 to 10. The final score is the average of the marks given by the committee members.

- The final grade of a candidate is calculated using the formula: final grade = written test grade × 0.8 + oral test grade × 0.2. To be admitted, the candidate must obtain a final score of at least 8 (eight), with no score below 7 (seven) on any test. Candidates will be ranked based on their final score.

The contest commission evaluates candidates according to the provisions of Article 15, paragraph (2) of HG 1264/16.12.2024 and Law 183/2024 regarding the Status of Research, Development, and Innovation Personnel.

Contest Topics for RA – Project PNRR 108:

1. Quantitative Analytical Chemistry. Instrumental Analysis.
2. High-Performance Liquid Chromatography.
3. Infrared Absorption Spectroscopy.

Bibliography:

1. Lorentz Jäntschi, Horea Iustin Naşcu, *Analytical and Instrumental Chemistry*, Academic Pres & AcademicDirect, 2009
2. C. Luca, Al. Duca, I. Al. Crisan, *Analytical Chemistry and Instrumental Analysis*, Didactic and Pedagogic Publishing House, Bucharest
3. Simion Gocan - *High-Performance Liquid Chromatography: Part II – Column Liquid Chromatography*, Risoprint Publishing House, 2002

Note: Vacant positions are open to all candidates, regardless of race, religion, gender, or sexual orientation. The project team rejects any form of discrimination.

Contest Schedule:

- **Publication of the announcement:** March 26, 2025
- **Deadline for submitting applications:** April 24, 2025, to the INCDTIM headquarters, Human Resources Department, email: resurse.umane@itim-cj.ro
- **Results of the document review:** April 25, 2025
- **Deadline for submitting appeals against document review results:** April 28, 2025
- **Publication of the final results of the document review on the institute's website:** April 29, 2025
- **Written test date:** April 30, 2025, at 10:00 AM, at the institute headquarters
- **Oral test/Interview date:** May 5, 2025, at 10:00 AM
- **Publication of final results of written test/interview:** May 5, 2025, by 16:00
- **Deadline for submitting appeals against written test/interview results:** May 7, 2025
- **Publication of final results on the institute's website:** May 8, 2025

General Requirements for Candidates:

- The candidate must have Romanian citizenship, citizenship of another EU member state or the European Economic Area, or citizenship of the Swiss Confederation.
- The candidate must have full capacity to exercise rights.
- The candidate must be in good health, as attested by a medical certificate from the family doctor or authorized medical units.
- The candidate must be medically fit for the position.
- The candidate must be available for part-time employment on a fixed-term contract.

Required Documents for Registration:

- Signed application for the contest, accompanied by a self-declaration attesting to the truthfulness of the information presented in the application.
- Proposal for the scientific career development, focusing on research activities, maximum 5 pages.
- Curriculum Vitae adapted to the job requirements.
- List of scientific publications, works, articles/studies, patents selected by the candidate based on relevance to their own research activities.
- Proof of professional research and development qualifications corresponding to the position.
- Copy of the identity document or any other document proving the identity.
- Copy of the marriage certificate or proof of name change, if applicable.
- Medical certificate attesting to the candidate's health condition, issued within 3 months before the contest.
- Copy of the diploma(s) proving the candidate's studies: bachelor's degree and/or master's degree, with transcript of records.
- Diplomas obtained abroad must be recognized by the National Center for Recognition and Equivalence of Diplomas (CNRED), and by the National Council for the Recognition of Titles, Diplomas, and University Certificates (CNATDCU), or proof of the recognition process in progress.
- Certificate attesting the doctoral student status for the post of research assistant – doctoral student.
- Letter of intention (in free format), indicating the research areas of interest and the motivation for applying for the position.
- Consent form for personal data processing, signed.
- Criminal record certificate.

The candidate is required to keep the research topics they are involved in confidential.

For more information, candidates can review the specific conditions on the INCDTIM website at <http://ro.itim-cj.ro/cariera/> under the "Concursuri" section, as well as on <https://www.euraxess.gov.ro/ro> and <https://jobs.research.gov.ro/>. For additional inquiries, candidates may contact the Human Resources Department at INCDTIM by phone at +40 – 264 – 584037 ext. 253 or by email at resurse.umane@itim-cj.ro.