



## Ignite Your Research Career: Join us in Iasi, the [City of Creators](#)

### 1. Research positions in Romania

Alexandru Ioan Cuza University of Iasi, Romania welcomes experienced researchers within the [Marie Skłodowska-Curie Postdoctoral Fellowships 2023 Call](#).



Through this programme, individual researchers of any nationality receive **mobility funding** for developing state-of-the-art knowledge and working on research in Europe for one or two years. It is a major career opportunity, which may lead to improved employability and career prospects.

### 2. About “Alexandru Ioan Cuza” University of Iasi, Romania

Embark on a research journey like no other in a surprising city: Iași, Romania. Your host city, located on the European Union's eastern border, combines a rich cultural heritage with a thriving environment for innovation. As the fourth-largest city in Romania and the fastest-growing, Iași offers a dynamic and vibrant backdrop for your research career.

Alexandru Ioan Cuza University of Iasi was the first modern higher education institution in Romania. Since its establishment in 1860, the university has upheld a tradition of excellence and innovation in education and research. Renowned both nationally and internationally, the university holds the HR Excellence in Research certification, a testament to its commitment to fostering a stimulating research environment.

At Alexandru Ioan Cuza University of Iasi, you'll be part of a thriving research community engaged in over 120 national and international research projects each year. With collaboration agreements with 652 universities worldwide, the university provides a platform for interdisciplinary and multicultural knowledge-sharing.

Alexandru Ioan Cuza University of Iasi has established itself as a leader in key disciplines. Thus, it is the only Romanian university featured in the Worldwide Professional University Rankings (RankPro 2023) in the fields of "Physics, Astronomy," "Biological Science," "Earth Science," and "Mathematics." According to the same ranking, it is the second university in Romania for academic performance, public ranking, and public transparency.

Beyond the academic realm, Iași offers a captivating environment. With over 600 years of history, Iași is a city of cultural and educational firsts, an important IT hub, and host to vibrant cultural events.

At Alexandru Ioan Cuza University, researchers have access to excellent research infrastructure, as well as to most on-line libraries (Science Direct, Thomson ISI, Taylor and Francis, Springer, IOP, AIP ...). Our newest research centres focus on Environmental Sciences, Advanced Materials and Technologies and Interdisciplinary Research in Archaeology.





### 3. Research topics

Experienced researchers are highly encouraged to submit proposals mainly under the following areas of research topics divided into the main evaluation panels of the MSCA:

- **Chemistry**
- **Social Sciences and Humanities**
- **Economic Sciences**
- **Information Science and Engineering**
- **Environment and Geosciences**
- **Life Sciences**
- **Mathematics**
- **Physics**

For **2023 MSCA PF** call we present an offer in the field of environmental problem and issues, hosted by the *Institute of Interdisciplinary Research (IIR)* within our university which include 2 departments and the offer of the Laboratory of Fine Organic Synthesis with Applications in the Pharmaceutical and Medicine Industry (LASO-FM).

LASO-FM support research, development and innovation activities in the field of obtaining organic compounds through organic reactions (antimicrobial, antitumor, antiviral active compounds, cardiovascular drugs, oleamides, etc.).

The main research interests of the IIR - *Department of Exact Sciences and Natural Sciences - Environmental Sciences Research Group* include a holistic approach of research on multidisciplinary fields that integrates the chemical, biological, physical, biogeochemical, mathematical and computational, as well as the earth sciences (geology, mineralogy, soil). The interest focuses on a variety of research domains, such as: Environment and pollution (advanced materials for environmental application, bio-technologies, advanced oxidation processes etc); Nanoscience and the environment, Field studies and environmental monitoring, Advanced tools for the environment research. It aims to identify, control, and prevent pollution and disruption to its environmental systems (water, air, soil) and species caused by natural hazards and human activity, as well as advance with finding real solution to the main world concerns such as environmental issues, human health, food chain and climate change (coordinator of the group, CS I dr. habil. Mariana NEAMTU, also director of the Department of Exact Sciences and Natural Sciences).

In the search for innovative answers within the investigation of past societies, the IIR - *Department of Exact Sciences and Natural Sciences - ARHEOINVEST Centre* brings together expertise from many fields, including



Archaeology, History, Archaeometry, Anthropology, Geography, Biology, etc. (CS II dr. Andrei ASĂNDULESEI, Director of the ARHEOINVEST Centre).

Through its organizational structure and infrastructure, the IIR - *Department of Exact Sciences and Natural Sciences - CERNESIM Centre* enables an integrated systemic approach of various environmental issues for a better understanding of the natural and social phenomena occurring in the environment, involving climate change by following causes and impacts, prevention and mitigation of unwanted changes in the environment at both long- and medium-term levels (Prof. dr. habil. Romeo-Iulian OLARIU, Director of the CERNESIM Center).

The IIR - *Department of Exact Sciences and Natural Sciences - RAMTECH Centre* develops fundamental and applied research activities in the science of advanced materials, with particular emphasis in the fields of integrated nonlinear optics and photonics, thin layer deposition by plasma-assisted techniques, plasma diagnostics, photovoltaic materials, sensor type materials and devices (CS II dr. habil. Sorin TASCU, Director of the Research Centre on Advanced Materials and Technologies – RAMTECH).

The research activities of *the IIR - Department of Social Sciences and Humanities*, carried out in line with the UAIC research strategy and the national/European research and innovation strategy, cover most fields of humanities and social sciences (philology, philosophy, economics, history, theology, geography and sociology), proposing academically and socially relevant topics to respond to the intellectual and social challenges of today's world, both in individual and group projects (CS II dr. habil. Aurelian PLOPEANU, The Department of Social Sciences and Humanities).

Website link for further information:

<https://ici.uaic.ro/en/departments/> (The Institute of Interdisciplinary Research)

<http://www.science.research.uaic.ro/?lang=en> (The Department of Exact Sciences and Natural Sciences)

<http://arheoinvest.uaic.ro> (ARHEOINVEST Center)

<https://cernesim.uaic.ro/index.php/language/en/> (CERNESIM Center)

<http://www.ramtech.uaic.ro/> (Research Center on Advanced Materials and Technologies – RAMTECH)

<https://ici.uaic.ro/en/department-of-socio-human-sciences/> (The Department of Social Sciences and Humanities)

Facebook Link:

<https://www.facebook.com/Institutul-de-Cercet%C4%83ri-Interdisciplinare-UAIC-110037661697850> (The Institute of Interdisciplinary Research)

<https://www.facebook.com/arheoinvest> (ARHEOINVEST Center)

#### 4. Requirements

The MSCA-PF program supports experienced researchers for a full time period between 12 and 24 months. Personal requirements/qualifications include:

- fulfilment of the eligibility criteria mentioned within the guide for applicants for the MSCA-PF program
- researchers can be of any nationality and cannot have resided or carried out their main activity (work, studies, etc.) in the country of the associated partner hosting the outgoing phase for more than 12 months in the 36 months immediately before the call deadline
- maximum 8 years from date of award of the (first) doctoral degree
- a good publication record will be an asset



## 5. Support and Applications

We offer personalized assistance for potential candidates, consisting of:

- good research infrastructure, access to wide range of experiments
- good environment for conducting high level research
- selecting the supervisors and facilitating the contact with them
- preparing the grant application

Applications will include your CV with a list of 5 relevant publications or other achievements and a research proposal (maximum 2 pages), specifying the innovation aspects and the targeted impact. All documents must be submitted in English at [eradu@uaic.ro](mailto:eradu@uaic.ro).

Deadline for sending your application: June 30th, 2023 at the latest

## 6. Contacts

For more information, please contact us:

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