Ignite Your Research Career: Join us in Iasi, the City of Creators
The city of creators
Iași, Romania

• Located on the European Union's eastern border
• Second-largest city in Romania
• Fastest-growing
• 5 universities
• Tech scene
• Cultural festivals
The First Romanian modern University
Choose UAIC

• Over 120 national and international projects each year

• Collaboration agreements with 652 universities worldwide

• The only Romanian university featured RankPro 2023 for **Physics**, **Astronomy**, **Biological Science**, **Earth Science** and **Mathematics**
Submit your proposals for

• Chemistry
• Social Sciences and Humanities
• Economic Sciences
• Information Science and Engineering
• Environment and Geosciences
• Life Sciences, Mathematics, and Physics
Our offer

environmental problems and issues, hosted by the Institute of Interdisciplinary Research
The Institute of Interdisciplinary Research

• obtaining organic compounds (antimicrobial, antitumor, antiviral active compounds, cardiovascular drugs, oleamides, etc.) through organic reactions
• multidisciplinary fields to study environment, pollution, nanoscience, and environmental monitoring
• investigating past societies through various disciplines like Archaeology, History, Archaeometry
• integrated approach to environmental issues, studying natural and social phenomena, climate change causes and impacts, and environmental changes prevention
• advanced materials, focusing on integrated nonlinear optics and photonics, plasma diagnostics, photovoltaic materials
• humanities and social sciences, with topics relevant to today's intellectual and social challenges
Why Iași

• A non-conventional and surprising choice
• Vibrant cultural scene
• Growth opportunities
• University city
• Low cost of living
• Beautiful parks and surrounding forests
Why UAIC

- High tech laboratories
- Individual mentorship
- Lively campus
- International networks
- Research excellence

**CERNESIM** Research Center in Environmental Sciences for the North-Eastern Romanian Region
http://cernesim.uaic.ro/index.php/ro/

**RECENT AIR** Research Center with Integrated Techniques for the Investigation of Atmospheric Aerosols in Romania

**RaaS-IS** Cloud center and massive data infrastructures
http://raas-is.uaic.ro

**RAMTECH** Research Center on Advanced Technologies
http://www.ramtech.uaic.ro

**ARHEOINVEST** Platform for Training and Interdisciplinary Research in Archaeology
http://science.research.uaic.ro
Apply to UAIC

• Eligibility criteria mentioned within the MSCA-PF guide program

• We offer personalized assistance for potential candidates, including high tech research infrastructure, selecting the supervisors, and preparing the grant application.

• Applications should include a CV with a list of 5 relevant publications or other achievements and a research proposal, to be submitted at eradu@uaic.ro by June 30th, 2023.
“GHEORGHE ASACHI”
TECHNICAL UNIVERSITY OF IASI, ROMANIA

2023
Excellency and Tradition in Education

1813 1860 1910 1937 1993

www.tuiasi.ro
- Iaşi is not just a city, it’s an experience.

- Iaşi is located in the North-East of Romania and built on seven hills

- Iaşi is one of the leading centers of Romanian social, cultural, academic and artistic life – 474,035 residents and an area of 808 km²

- Iași has a humid, continental type climate – with temperature sometimes exceeding 35°C (95 °F) during summer and dropping below -15°C (5 °F) during winter

* https://en.wikipedia.org/wiki/Iasi
CITY OF IASI,

Geographical position
DISCOVER IĂȘI CITY!
TUIASI - the oldest tradition in engineering education in Romania!
TUIASI Library - One of the most beautiful libraries in the world!
CAMPUS FACILITIES

- Accommodation
- Sport Facilities
- Study Rooms and Creative Nest Hub
- Medical Facilities
- Cafeteria
WHAT MAKES TUIASI GREAT

**Assets**

One of the largest student campus in Romania, with awesome places, tasty local food and great leisure opportunities. One of the most beautiful libraries in the world.

**Growth**

Great opportunities for international experiences. Internship experience and volunteering opportunities.

**Target innovation**

A recognized School of Inventions with more than 40 years of experience.

**Quality & Tradition**

The oldest tradition in technical higher education and research in Romania.

**Process**

Great professors, relevant courses, and modern labs. High academic reputation.

**People**

Great community of more than 13000 Romanian and international students.
TUIASI’s mission:
Create and impart the scientific and technological knowledge for the society and the environment.
Make significant contributions to the global challenges in health, mobility, energy, industry or environment.
Cultivating Talents

- The University encourages development of young researchers competences which empowers their self-expression and successful career
- The University supports, develops and recognizes the RDI activities as its flagship for the increasing of the international visibility

Undertaking Frontier Edge Research & Innovations

- The Research Centers and the Technological Transfer Center develop new knowledge and technology, as well as enable its transfer into industry and business

Inspiring Advancement

- The sustainable development of the University ensures the quality and efficiency of all RDI activities
- The University creates its own entrepreneurial environment and is involved within the regionals and nationals policies creation
TUIASI RDI STRATEGIC

Priorities

• International visibility
• Innovation & cooperation with business
• Research entrepreneurship
24 Research Centres

- Systems engineering and information technology
- Intelligent equipment and software
- Automatic control and technical informatics
- Cloud Technologies, Big Data and Internet of Things
- Architecture and urban planning
- Materials for civil engineering
- Innovative production systems and hydraulic equipment
- Applied fluid mechanics and theoretical mechanics
- Manufacturing engineering
- Fuzzy systems, intelligent systems and biomedical engineering
- Mod-Sim-Nano
- PRODATA - signal processing and communications
- HIDROMED – Hydro-technical arrangements and environmental protection

RDI COMMUNITY

- Centre of excellence POLYMERS
- IMEI - Environmental engineering and impact assessment
- Chemical and biochemical engineering processes and advanced materials
- LACMED - Laboratory for analysis and control of environmental factors
- METROS - Metrology, measurement systems and innovative materials
- SCECM - Energy conversion and motion control systems
- ENERG - Electrical power systems engineering
- Automotive safety
- Mechanical engineering and mechatronics
- Materials engineering
- Research centre for advanced materials, products and processes

- POLYTECH - Technological Transfer Centre
TO CREATE SMART AND INNOVATIVE SOLUTIONS FOR TOMMOROW
RDI AREAS

- Energy, environment and climate changes
- New high-tech materials and advanced technologies
- Smart environments and information technology
- Bio-economy
- Technologies for sustainable development
- Diagnostic and measurement technologies
14 study fields

**European PhD:** obtaining the European Doctoral Certificate

**Institutional cooperation agreements:** Erasmus+, PhD hub, co-supervisions

**Support:**

- Doctoral School Conference
- Online seminars and workshops - topics that help doctoral students in research, publication, but also to acquire important soft skills
- Internal research grants
Information:

- www.tuiasi.ro
- https://doctorat.tuiasi.ro/
- https://msca.b2match.io/participations/141820

Guide for presenting doctoral area and expertise in TUIASI:


Supervisors expertise, by faculty and research area:

- https://doctorat.tuiasi.ro/conducatori-de-doctorat/
prof.univ.dr.ing. Alina Adriana MINEA
Director C.S.U.D. TUIASI

alina-adriana.minea@academic.tuiasi.ro
EURAXESS Worldwide webinar
05.06.2023

University of Bucharest facilities to potential researchers from around the world who are interested in applying for a Marie Sklodowska-Curie Postdoctoral Fellowship.

Prof. Mariana Carmen Chifiriuc
Vice-rector for Research
Prof. Virgil Baran
Director of the Council for Doctoral Studies, University of Bucharest
<table>
<thead>
<tr>
<th>No.</th>
<th>Scientific Field</th>
<th>Doctoral School (name)</th>
<th>Faculty</th>
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<td>Political Sciences</td>
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<td>Doctoral School “Space, Image, Text, Territory”</td>
<td>Baptist Theology</td>
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Research areas at UB – Exact sciences

• Mathematics
  • commutative algebra, complex geometry, algebraic geometry, riemannian geometry, functional analysis, differential equations, partial derivative equations), optimization, probabilities, statistics, numeric analysis, solid mechanics;

• Informatics
  • artificial intelligence, natural language processing, computer vision, data science, formal methods for verification, testing and cybersecurity, logic, theoretical computer science, bioinformatics, formal languages, algorithmics, graphs, distributed systems, databases, cryptography, optimization;

• Physics
  • micro- and nano-electronics, renewable and alternative energy sources, nanotechnologies and nanomaterials, atomic physics and astrophysics, extreme light infrastructure - nuclear physics, radiological protection, polymeric materials, mesophases and unconventional methods of environmental protection; theoretical and computational physics

• Chemistry
  • analytical and bioanalytic chemistry, inorganic and supramolecular chemistry, nanoscience and material chemistry, physical chemistry, chemical theory & computation, organic chemistry, biochemistry, catalysis and catalytic processes;
Research areas at UB – life, environmental and earth sciences

• Biology
  • mechanisms of neuropathic pain, regeneration of peripheral nerves, in silico analyses for drug development, molecular toxicology, nano(eco)toxicology, molecular taxonomy and biodiversity studies, tumor biology, evaluation of biomaterials for tissue engineering, molecular markers in stem cell differentiation, nanoparticle-biomolecule interaction, human genetics, molecular epidemiology, antibiotic resistance and novel antimicrobial strategies evaluation, microbial genetics, selection of bacterial and fungal strains with biotechnological potential -probiotics, bioplastic production, antifungal activity, biodeterioration of cultural heritage buildings and objects; integrated platforms for the study of ecosystem services provided by aquatic and terrestrial ecosystems;

• Geography
  • applied geography, fluvial geomorphology, natural hazard & risks, vulnerability assessments, risk perception, renewable energy resources, ocean atmosphere interaction, remote sensing, GIS modelling and digital cartography, relief – tourism relationship, coastal geomorphology, coastal and fluvial geoarchaeology, anthropocen, geomorphosites, geoheritage, integrated analysis and territorial management of water resources, biometeorology and bioclimatology, weather and climate risk phenomena, climate changes, general geomorphology, mountain area – mapping, evaluation, landscaping, water related hazards, built heritage, territorial disparities, geography of tourism, integrated analysis and territorial management, health and health care inequalities at territorial level, demographic and social vulnerabilities, urban ecology, environmental planning, environmental impact assessment, landscape ecology, ecological modelling, systematic conservation planning, reptiles ecology and conservation, carnivores ecology and conservation);

• Geology and geophysics
  • stratigraphy and historical geology, geological mapping, geology of coal deposits, geology of hydrocarbon deposits, physical geology, marine geology, structural geology and basin analysis, geotectonics, paleontology, paleozoology, micropaleontology and paleoecology, palynology and paleobotany, geoconservation / geoparks / geoeducation, geophysical surveys, environmental and archeological geophysics, geodesy, topography, hydrogeology, geotechnics, geological engineering, mineralogy and chrystallography.
Research areas at UB - Humanities

- Philosophy
  - applied ethics, history and philosophy of science, history of ideas, history of philosophy, phenomenology, moral philosophy, political philosophy, and philosophy of the Internet;

- Theology
  - biblical theology, dogmatic theology, universal church history, history of the Romanian orthodox church, patristics, byzantinology, moral theology, fundamental theology / apologetics, social theology, aesthetics, sociology of religion, history and philosophy of religions, church music, biblical and patristic philology, drawing / painting ecclesial art, history and restoration of ecclesial heritage;

- History
  - classical studies and graeco-roman archaeology, egyptology, byzantine and mediaeval studies, epigraphy and paleographies, auxiliary sciences of history, history of mentalities and popular culture, consumer studies, historical demography, gender studies, urban history, or social history, African studies, history of international relations, heritage studies, archeosciences;

- Letters and foreign languages
  - Linguistics - 201-250 QS interval, English language and literature –300-400 QS interval
  - Mircea Cărtărescu, Ioana Pârvuèscu, Simona Popescu, Carmen Mușat, Ion Bogdan Lefter - national and international recognition through various awards for artistic activity.
Research areas at UB – Social Sciences

• **Journalism and communication sciences**
  - media and the public space: mass-media economy, gender and mass-media, media and religion, mass-media and public issues analysis, the history of mass communication, subtle communication and media discourse; organizations and public communication: crisis communication and offline/online risk, organizational communication, advertising in Romania (from offline to online), health communication, nostalgia and social representations, online marketing; journalism and new technologies: digital citizenship, media production, new media, and journalism;

• **Educational sciences**
  - lifelong learning and education in formal and informal settings; research centered education; current issues impacting education and their utilization in educational practice - eg. generation of digital natives, the impact of social media, serious gaming, civic participation online, children wellbeing); psychology (neurosciences and cognitive sciences; development of new psychometric tools for psychological assessment; support and preventive interventions for mental health in educational environment; clinical and occupational health psychology; psychopathology and trauma psychology); professors actively collaborate with the national education decision makers.

• **Social sciences**
  - social structures, inequalities, territorial communities, social risks, and social marginality; quantitative methodologies (surveys, network analysis, big data); qualitative methodologies (ethnographies, focus-groups, netnografies, interviews); development, environment and territory; body, technology, public health

• **Political sciences**
  - participation in research networks focusing on new and old political challenges, such as the evolution of sovereignty and statehood, political corruption, intellectual transfers, and changes in the value systems (e.g. World Values Survey – Romania, Les frontières des données anthropologiques -ANR France, Politics and corruption: current comparative history and sociology -GDRI CNRS 842).

• **Faculty of Law**
  - the most prestigious law school in Romania – academic members contributed to the drafting of the new codes and of the laws for their application (Civil Code, Civil Procedure Code, Criminal Code, Criminal Procedure Code), and have received important decorations, such as the French Légion d’Honneur, Order of the Merit of the Italian Republic, National Order Star of Romania etc.
ICUB Research Programs

ICUB stimulates and promotes excellence in the research activity at the UB through the following three research programs. The ICUB scholarships are addressed to both young researchers (up to five years from the PhD) and established scholars, working on all fields of research represented by the four divisions of the institute.

- Fellowship for Young Researchers
  For early stage scholars, up to 7 years since the PhD and with no working contract at the UB.

- Young Researchers Grants
  For early stage scholars, up to 5 years since the PhD and with a working contract at the UB.

- ‘Mircea Eliade’ Fellowship
  For the study and the preparation for publication of previously unpublished essays, lectures, correspondence and different noteworthy documents of Mircea Eliade.

http://icub.unibuc.ro/
Development of the conceptual and operational framework to perform transdisciplinary studies of ecological/biological systems and integrate the knowledge required by the new sustainable developing strategies and policies.

Spl. Independenței 91-95
HOW IT WORKS

Department of Systems Ecology and Sustainability (DSES)

Departament of Molecular Investigation (DMI)

Department of Bioinformatics and Modeling (DBIM)

Department of Biotechnology and Renewable Resources (DBRR)
Hateg Country UNESCO Global Geopark Research & Education – Support for Sustainable Development
HC UGGp is an active member of EGN
In different cooperation projects (Erasmus, Interreg)

In 2023 HC UGGp will host the EGN CC Meeting (200 participants)
http://www.europeangeoparks.org/
Hateg Country UNESCO Global Geopark

Located in South-West of Transylvania | 1100 sq km
12 mayoralities / 86 villages / 35,000 inhabitants
600 millions of years of Earth History
Part of the Hateg Country – Retezat Ecotourism Destination
Sultana-Malu Rosu site: a case study
Tell settlement – Sultana-Malu Rosu
CIVIS – European Universities Consortium

www.civis.eu; https://unibuc.ro/despre-ub/civis/?lang=en; CIVISEuropeanUniversity

- 8 universities
- 55,000 staff members including 30,000 academics and researchers
- 384,000 students
- 7 languages
- 114 Faculties
- 700 research groups
- 520 undergraduate programmes
- 1404 postgraduate programmes including 440 taught in English
- 34 Nobel prizes
- 172 ERC grants
CIVIS missions

Research: developing opportunities for extensive research collaborations with complementary approaches through open science, collaborative networks, shared research infrastructures, incentive funding for joint projects...

Education: creating an integrated university space for all through a research-based education, joint educational programmes, new learning pathways, MOOCs, Summer schools...

Innovation: building new model for innovative and inclusive education through the development of a digital campus, learning tools with short-term, long-term and blended mobility programmes...

Civic Engagement: connecting CIVIS education, research and innovation to local needs and global challenges through the creation of interactive spaces called Open Labs to foster collaboration between citizens, local partners and universities, participative council...