

## FACTS ABOUT IAȘI

1. A city of 400.000 inhabitants and 50.000 students
2. The Easternmost university city in the European Union
3. Birthplace of Romania (place of the Union of Moldavia and Wallachia Principalities in 1859)
4. Vibrant IT hub, one of the worlds fastest internet speed and an excellent destination for digital nomads;
5. City of the first modern University in Romania (UAIC, 1860)
6. Home to one of the world top 7 theatre buildings (BBC) and to one of the most majestic libraries of the world (BoredPanda.com)
7. Top Christian Orthodox pilgrimage site (over 400.000 pilgrims/year)
8. Known for its cozy specialty café s, large green parks, monumental buildings, eclectic architectures and perfume of an old capital city
9. A City of Seven Hills, surrounded by beer factories, vineyards and winemakers, monasteries and bicycle paths
10. An international fast-growing airport connected by direct flights with over 24 destinations in Europe (see map)



biomonitoring / aquatic bioassessment  
DNA barcoding  
Human exposure to persistent anthropogenic molecules  
Plastic pollution  
global engagement  
Empiric antibiotics  
Biodiversity  
Environmental risks  
Correlative and mechanistic modelling  
Proteins  
Molecular modelling and simulation  
ENZYMES  
LIFE SCIENCES  
Antimicrobial resistance  
Effects of climate change  
ANTIBODIES  
COMPUTATIONAL BIOLOGY  
the silent pandemic  
Water related SDGs  
SEQUENCING DATA  
Bioinformatics  
Earth observation



## Summer School - 6<sup>th</sup> edition

LS

Iași, Romania  
10-21 July 2023

LIFE SCIENCES

in the race against emerging threats to human health



Alexandru Ioan Cuza University of Iași (UAIC)  
[www.uaic.ro/jassy](http://www.uaic.ro/jassy)

## LIFE SCIENCES

in the race against emerging threats to human health

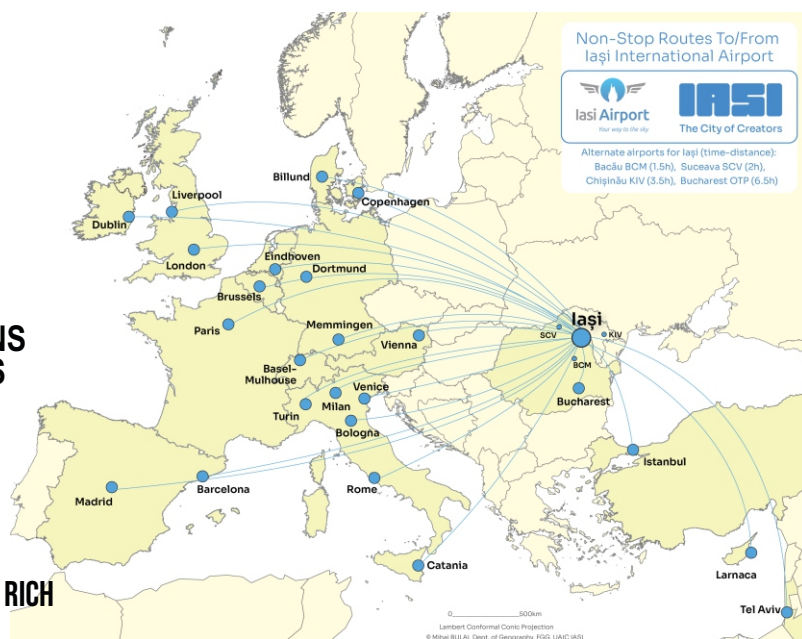
**Main data:**

**2 WEEKS**

**LECTURES  
PRACTICAL  
APPLICATIONS  
WORKSHOPS  
& INFORMAL  
ACTIVITIES**

**6 ECTS CREDITS  
400 € FEE**

**A GREAT CITY & A RICH  
CULTURAL REGION**



## Objectives

- earning key concepts in STEM disciplines;
- participating in hands-on activities and laboratory skills training
- collecting, analyzing and displaying scientific data from various fields
- meeting researchers who can assist you throughout JASSY and even with your future scientific projects

JASSY Summer School puts a strong emphasis on transversal competencies, through the interdisciplinarity of its courses and through its extracurricular activities.

## CURRICULUM CHART

Lectures and workshops:

- A Critical Analysis of Empiric Antibiotics Treatment: Health Benefits versus Environmental Risks
- Human Exposure to Persistent Anthropogenic Molecules: An Overview
- Proteins, Enzymes, and Antibodies as Molecular Vehicles for Investigating Human Health and Diseases
- Identifying biological species using DNA barcoding
- New weapons to fight antimicrobial resistance
- Light chunks – from pure energy to living world molecules
- From amino acids to biological function – a journey into the structural biology of proteins Save the environment with the circular economy Earth Observations for water ecosystems monitoring. Actual and future trends. Applications of remote sensing in the evaluation of environmental risks
- Climate change: the major challenge of the 21st century (facts and observation)

## Informal Activities:

- Guided tour of the University Palace
- Guided tour of the city of Iași
- Visit of heritage buildings
- Introduction to kayaking
- Wine tasting techniques
- Guided visit of the Palace of Culture
- Outdoor active tour
- Birdwatching, visit of Iași Botanical Garden
- Trip to the cultural region surrounding Iași

## APPLICATION & INFO

**Steps:**

1. Send your CV & Motivation letter to [jassy@uaic.ro](mailto:jassy@uaic.ro)

JASSY assesses the submitted files on a first-come, first-served basis (so send the required documents as early as possible, no later than 1 June 2023). JASSY confirms the acceptance by e-mail within three working days.

2. Fill in the Registration Form received by e-mail.

3. Pay the participation fee as indicated in the e-mail notification. ! Applications received after 1 June 2023 will not be taken into consideration!

**Other info:**

- Certificate of attendance for all attendees;
- 6 ECTS credits upon successfully passing the final evaluation;
- A limited number of scholarships will be available for students from partner universities.

**UAIC Facts:**

- Founded in 1860
- 600+ partner universities
- Top 2% in Europe in student exchange
- 15 Faculties (Schools)
- 245 Degrees in the 3 cycles (B/M/D)
- 24.000 students
- 1500 full-time staff



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