



# RESEARCH@METU IN A NUTSHELL

Dr. Sara Banu Akkaş | [bakkas@metu.edu.tr](mailto:bakkas@metu.edu.tr) & Dr. Zelal Özdemir | [zelal@metu.edu.tr](mailto:zelal@metu.edu.tr)

METU Research Coordination Office

June 2023

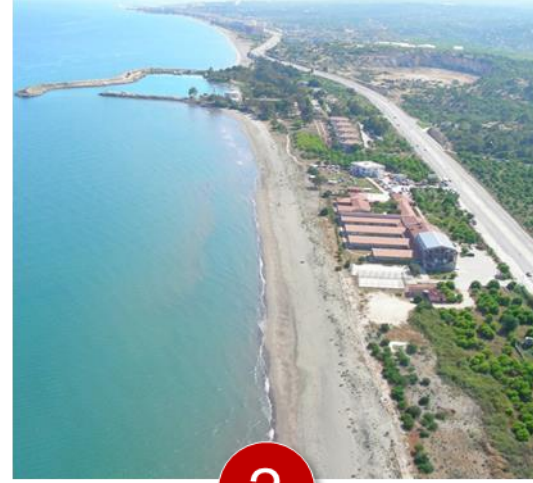


METU has 3 campuses



1

Main Campus  
**Ankara**  
(Founded in 1956)



2

Erdemli Campus  
**Mersin**  
(Founded in 1975)



3

Northern Cyprus Campus  
**Kalkanlı**  
(Founded in 2000)



## UNDERGRADUATE PROGRAMS

### ENGINEERING (13)

- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronics Engineering
- Environmental Engineering
- Food Engineering
- Geological Engineering
- Industrial Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering
- Mining Engineering
- Petroleum and Natural Gas Engineering

### ART & SCIENCES (10)

Biology, Chemistry, History, Mathematics, Molecular Biology and Genetics, Philosophy, Psychology, Physics, Sociology, Statistics

### ARCHITECTURE (3)

- Architecture
- City and Regional Planning
- Industrial Design

### EDUCATION (7)

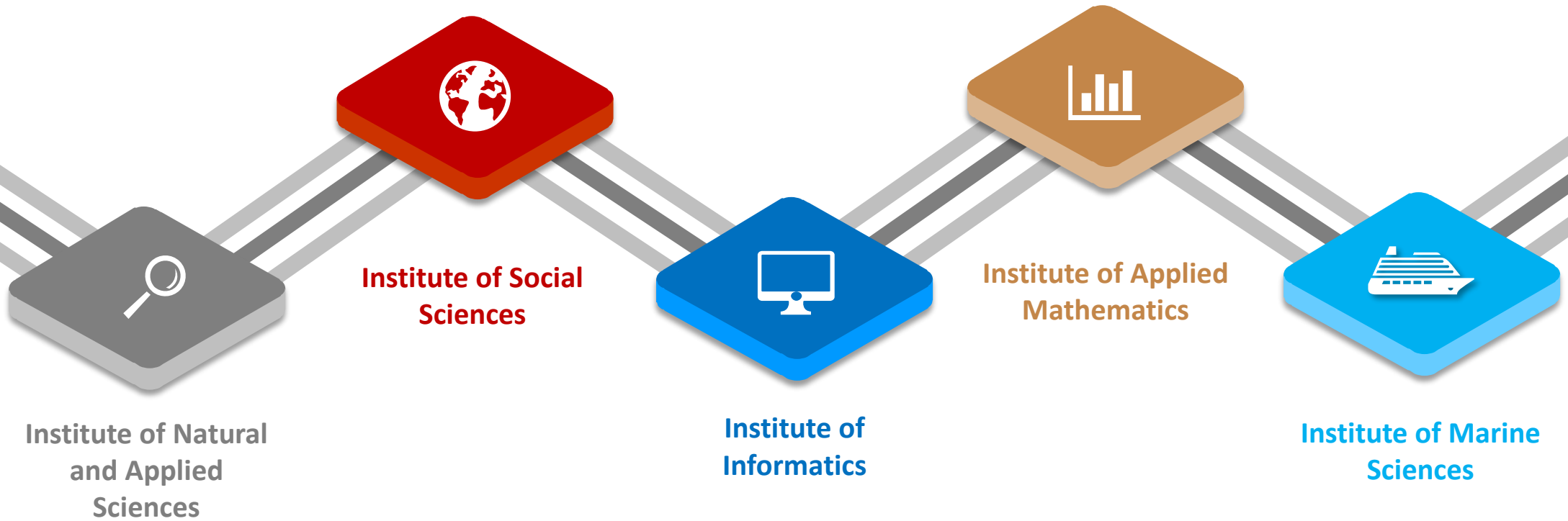
- Computer Education and Instructional Technology
- Educational Sciences
- Elementary Education
- Foreign Language Education
- Physical Education and Sports
- Secondary Science & Math. Education
- English Language Teaching (METU-SUNY)

### ECONOMICS & ADMINISTRATIVE SCIENCES (6)

- Business Administration
- Economics
- International Relations
- Political Science and Public Administration
- Business Administration (METU-SUNY Binghamton)
- Global and International Affairs (METU-SUNY Binghamton)



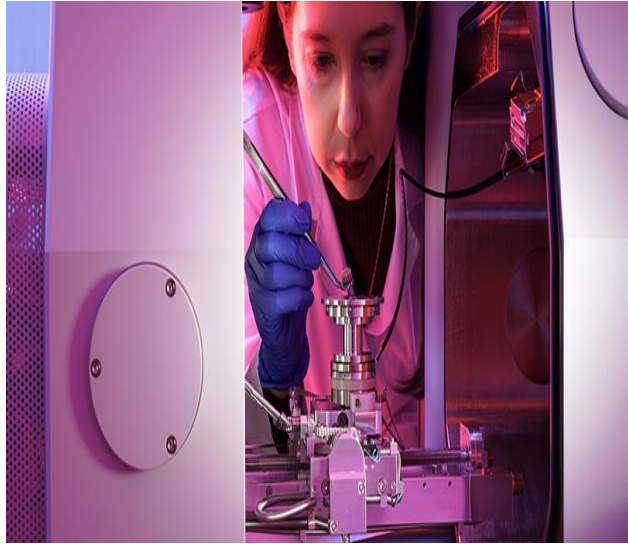
# GRADUATE SCHOOLS



# Research Potential



**Library**  
Over 1.000.000 resources  
266.000 electronic books  
43.100 electronic journals  
Seating capacity of 1.350 people



**Laboratories**  
30 R&D centers  
400+ research and training laboratories



**ODTÜ TEKNOKENT**  
3+ billion USD export  
37+ billion TL national technology sale  
420+ technology companies  
13.000+ employees



ODTÜ TEKNOKENT is the first science and research park in Turkey.

420+ companies  
13.000+ employees

3+ billion USD export  
37+ billion TL national technology sale

Around 90% of the companies are small and medium enterprises (SMEs)



- ✓ 60% of the companies are specialized in information and communication technologies,
- ✓ 25% in electronics,
- ✓ 15% in other sectors such as aerospace, environment, bio-technology, nanotechnology, and advanced materials

Promote entrepreneurship and innovation:  
The incubation center at ODTÜ TEKNOKENT serves 40+ start-ups and micro sized companies, most of which started their life as spin-offs from METU research projects.



## METU AS A RESEARCH UNIVERSITY

Announced as the **most successful research university** for the last 5 years by the Higher Education Council of Turkey

Announced as the **most entrepreneurial and innovative university** for the last 5 years by the Scientific and Technological Research Council of Turkey

Leading research university in Turkey in terms of depth and breadth of nationally- and internationally-funded R&D projects

Receives 20-25% of its budget each year from competitive national and international research funds





## MOST SUCCESSFUL TURKISH RESEARCH INSTITUTIONS

- International R&D projects in Türkiye mostly consist of EU Framework Programme projects.
- METU's rank among the most successful Turkish Research Institutions with respect to EU Framework Programmes
  - 1<sup>st</sup>** in the **7<sup>th</sup> Framework Programme**
  - 2<sup>nd</sup>** in the **Horizon 2020 Programme**
  - 1<sup>st</sup>** in the **Horizon Europe Programme**
- METU has **220+** international R&D projects other than EU projects – *US, UK, Danish, Qatar, NATU, UN grants etc.* – with a METU share of **22+ M€**

*As of May 22, 2023*



## METU in FRAMEWORK PROGRAMMES – Since FP5

TOTAL OF **218** PROJECTS | **57+ M€**

### HORIZON 2020 @ METU

**55** PROJECTS

**~18 M€** METU SHARE

**3 (+1)** ERC PROJECTS

**6** CONSORTIUM  
COORDINATORSHIPS

### HORIZON EUROPE @METU

**17** PROJECTS

**~10 M€** METU SHARE

**2 (+1)** ERC PROJECTS

**1** MSCA-COFUND PROJECT

*As of June 2, 2023*



## METU | ERC PROJECTS

METU was the first public university in Turkey to receive funding from the prestigious European Research Council (ERC).

METU has 5 ERC projects | 14% of Turkey's total

3 granted within Horizon 2020

2 granted within Horizon Europe



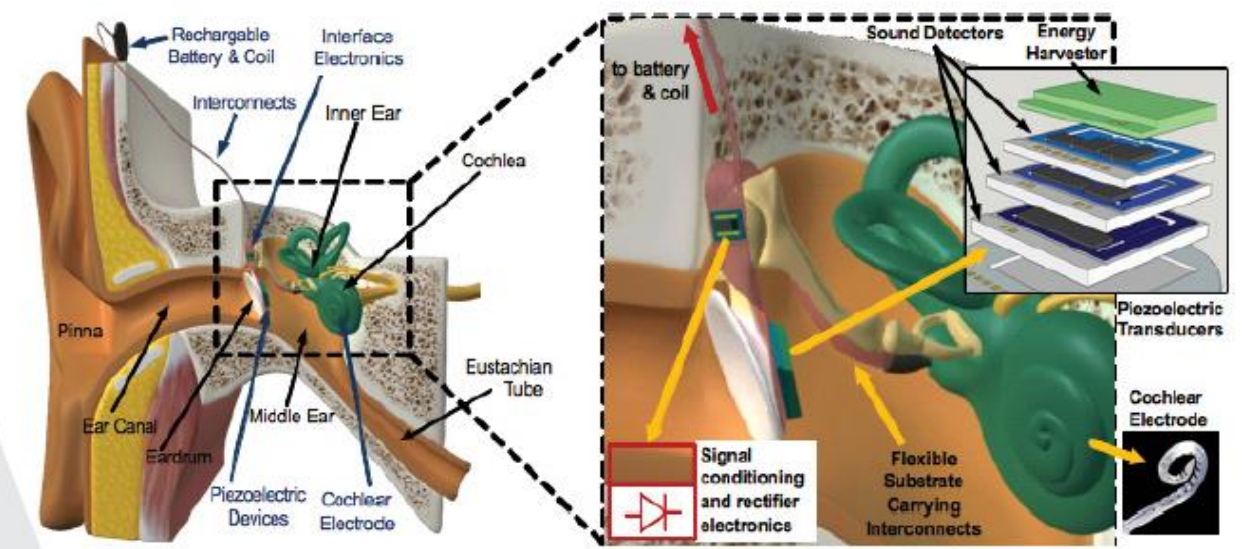
# FLAMENCO



New Generation Cochlear Implant

**Project Budget**  
2 Million €

OPERA & ARIA projects got 150.000 € each ERC Proof-of-Concept funding for the hearing implant designed in FLAMENCO to reach the market.



<https://flamenco.metu.edu.tr/>



## NEOGENE

### NEOGENE

Story of the transition to the settled life in Anatolia

**Project Budget:**  
2.5 Million €



<https://neogene.metu.edu.tr/>



# INFRADYNAMICS

## INFRADYNAMICS

A new perspective  
to brain cancer  
treatment

**Project Budget:**  
1.5 Million €



<https://users.metu.edu.tr/ggunbas/infradynamics.html>



## LCFLOW

### LCFLOW

Liquid Crystals in Flow:  
A new era in sensing  
and diagnostics

**Project Budget:**  
1.5 Million €



Body fluids



Underground  
water



Surface  
water

**Liquid Crystal  
Flow Sensors**

<https://blog.metu.edu.tr/emrebuk/>



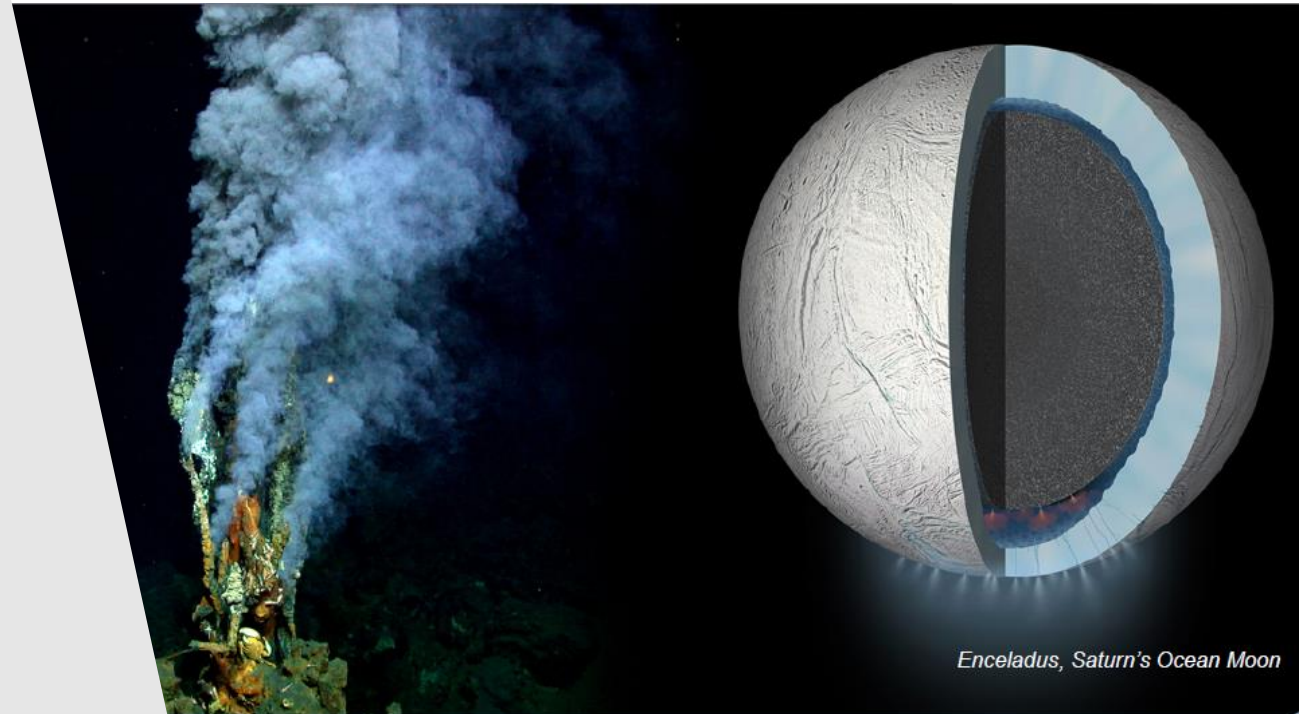
## DEEPTRACE

### DEEPTRACE

Paving the way for habitability detection in the newly discovered ocean-worlds in the Solar System by exploring deep-sea habitats

### Project Budget:

2.4 Million €



<https://www.deepsearedox.com/>





## METU | CONSORTIUM COORDINATORSHIPS

At METU, we also consider consortium coordinatorships as a crucial performance indicator.

METU is the coordinator of 6 consortia within the Horizon 2020 programme.





## METU as Consortium Coordinator | Institute of Marine Sciences

### BLACKSEA CONNECT | H2020-BG-2019-1

**COORDINATION OF MARINE AND MARITIME RESEARCH AND INNOVATION IN THE BLACK SEA**

14 partners (9 countries on the Black Sea coast / the EU) and international organizations

**PROJECT BUDGET: 2.0 MILLION €**  
**METU SHARE: 877 THOUSAND €**  
**TURKEY BUDGET: 1.0 MILLION €**

<http://connect2blacksea.org/>

### BRIDGE BLACKSEA | H2020-BG-2020-2

**PROMOTING RESEARCH AND INNOVATION IN THE BLACK SEA TO DEVELOP BLUE GROWTH TOGETHER IN DURABLE ECOSYSTEMS**

33 partners (15 countries on the Black Sea coast / the EU) and international organizations

**PROJECT BUDGET : 9.0 MILLION €**  
**METU SHARE : 1.34 MILLION €**  
**TURKEY BUDGET : 2.5 MILLION €**

<https://bridgeblacksea.org/>



## METU as Consortium Coordinator | TWINNING PROJECTS

Solar Energy Research and Application Center (**GÜNAM**) received METU's **first Twinning Project** with the **SOLARTWINS** project.



<https://solartwins.metu.edu.tr/>

The Department of Biological Sciences brought the **second** Twinning Project to METU with the **NEOMATRIX** project.



<https://neomatrix.metu.edu.tr/>



# METU as Consortium Coordinator | Department of Food Engineering

Within the scope of the **RISE-2020** project call, the Department of Food Engineering was granted one of the 3 projects entitled to be supported under the coordination of Turkey with the **SuChAQuality project**. In addition, with the **FunTomP project**, METU is the only coordinator among 8 projects supported from Turkey within the call for **PRIMA Program 2020**, a part of **Horizon 2020**.



### SuChAQuality | MSCA-RISE

#### ALTERNATIVE QUALITY CONTROL METHODS FOR THE SUGAR, CHOCOLATE AND SUGAR INDUSTRY

Several industry representatives from the sugar and confectionary sector contributing

**PROJECT BUDGET: 1.6 MILLION €**  
**METU SHARE: 455 THOUSAND €**  
**TURKEY BUDGET: 790 THOUSAND €**

<https://suchaquality.com/>

### FunTomP | PRIMA

#### FUNCTIONAL TOMATO PRODUCTS

Total 16 partners from 9 different Mediterranean counties

**PROJECT BUDGET: 1.9 MILLION €**  
**METU SHARE: 462 THOUSAND €**  
**TURKEY BUDGET: 700 THOUSAND €**



<https://funtomp.com/>

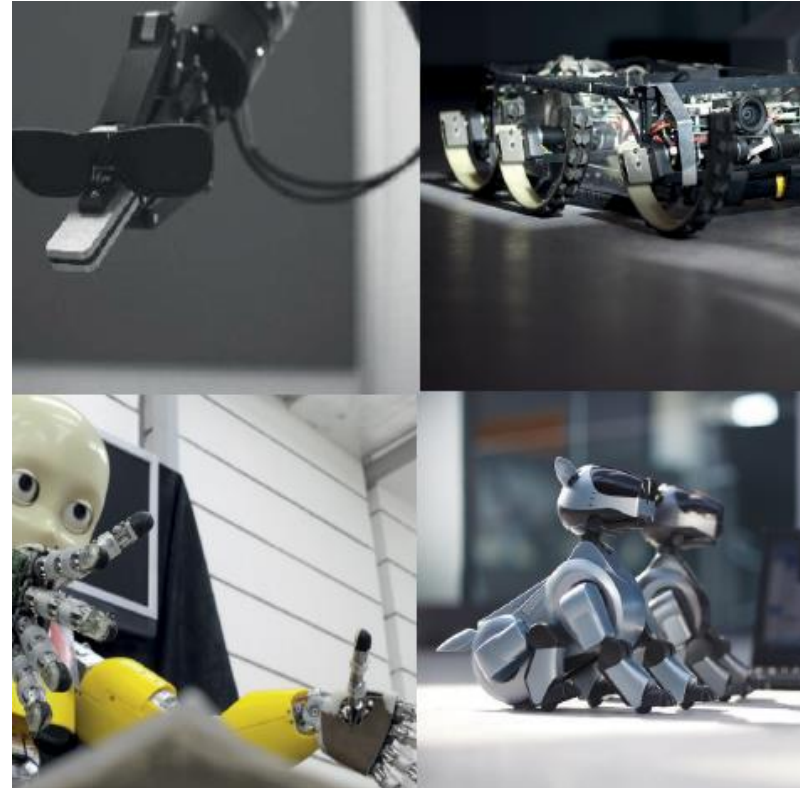


## ROBOROYALE

**INCREASING LIVE ECOSYSTEMS  
WITH ROBOTIC REPLICAS TO  
OPTIMIZE PRODUCTIVITY**

The Department of Computer Engineering was the recipient of our university's first H2020-FETOPEN project.

**PROJECT BUDGET: 3.3 MILLION €**  
**METU SHARE: 335 THOUSAND €**



\*Future and Emerging Technologies. FETs can be considered as ERC projects with multi-partners.

<https://roboroyale.eu/>



# **METU Digital Innovation Centre**

**FINANCIAL SOURCE:**

**Ministry of Industry and Technology  
Competitive Sectors Programme with the  
EU**

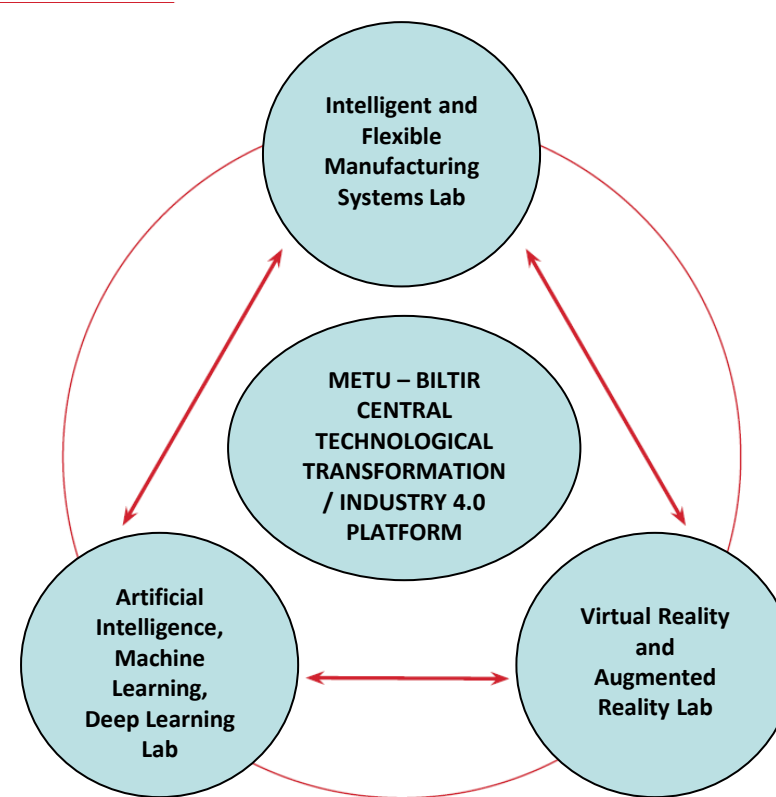
**TARGET SECTORS:**

**Machine manufacturers and automotive**

**PARTNERS:**

**MAKFED (Turkish Machinery Federation)  
and METU TEKNOKENT**

**PROJECT BUDGET: 8 MILLION €**



# ECITE - Emergence of Creative Industries and Transformation of Economy through Innovative Technologies: Games, Wearables and New Generation Film-Making

**FINANCIAL SOURCE:** Ministry of Industry and Technology Competitive Sectors Programme with the EU

**TARGET SECTORS:** Gaming, Wearable Technology, Film

**METU PARTNERS:** GİSAM (Audio-Visual Systems Research and Production Center), Design Center, METU TEKNOKENT – ATOM (Pre-incubation Center for Animation Technologies and Game Development), TEKPOL (Science and Technology Policy Research Center), SEM (Continuing Education Center)

**PROJECT PARTNERS:** ATO (Ankara Chamber of Commerce), TOGED (Game Developers Association of Turkey), Ankara Development Agency, Fashion Designers Association

**PROJECT BUDGET:** 5 MILLION €



## HR EXCELLENCE IN RESEARCH

METU has *HR Excellence in Research Award*, which is given to research friendly universities.

METU is the **first Turkish university** to receive HR Logo, that is an important symbol for the international visibility and reliability of universities.



HR EXCELLENCE IN RESEARCH





## ENRICH-TOGETHER

The proposal submitted on behalf of our University to the "*HORIZON-MSCA-COFUND-2021*" call has recently been accepted for funding.

This five-year project, entitled "*ENRICH-TOGETHER: Enriching the Green and Blue Transition Research and Training Network by Working Together through the New European Research Area*" with 2.8 Million Euro budget, aims to host 20 post-doctoral researchers, who have not resided or worked in Turkey for more than 12 months in the last 36 months, at our University to pursue research in the cross-cutting theme of **Green and Blue Transition** covering all disciplines.



# ENRICH-TOGETHER

Enriching the Green and Blue Transition Research and Training Network by  
Working Together through the New European Research Area



## TWO EUROPEAN RESEARCHERS' NIGHT PROJETSCS WITH THREE EVENTS

33K visitors attended the 3 European Researchers' Night events hosted by METU!



<https://obe.metu.edu.tr/en>



## HOW TO SEARCH FOR RESEARCHERS @METU?

So far we presented to you some of the largest project of METU.

However, there are more than 700 researchers at METU!

How can you search about the research these researchers are pursuing?

<https://avesis.metu.edu.tr/>

Here, you can search your keywords of interest and see who at METU pursues research in that field.

Please try and then contact the researcher you choose and wish to write a MSCA-PF with.



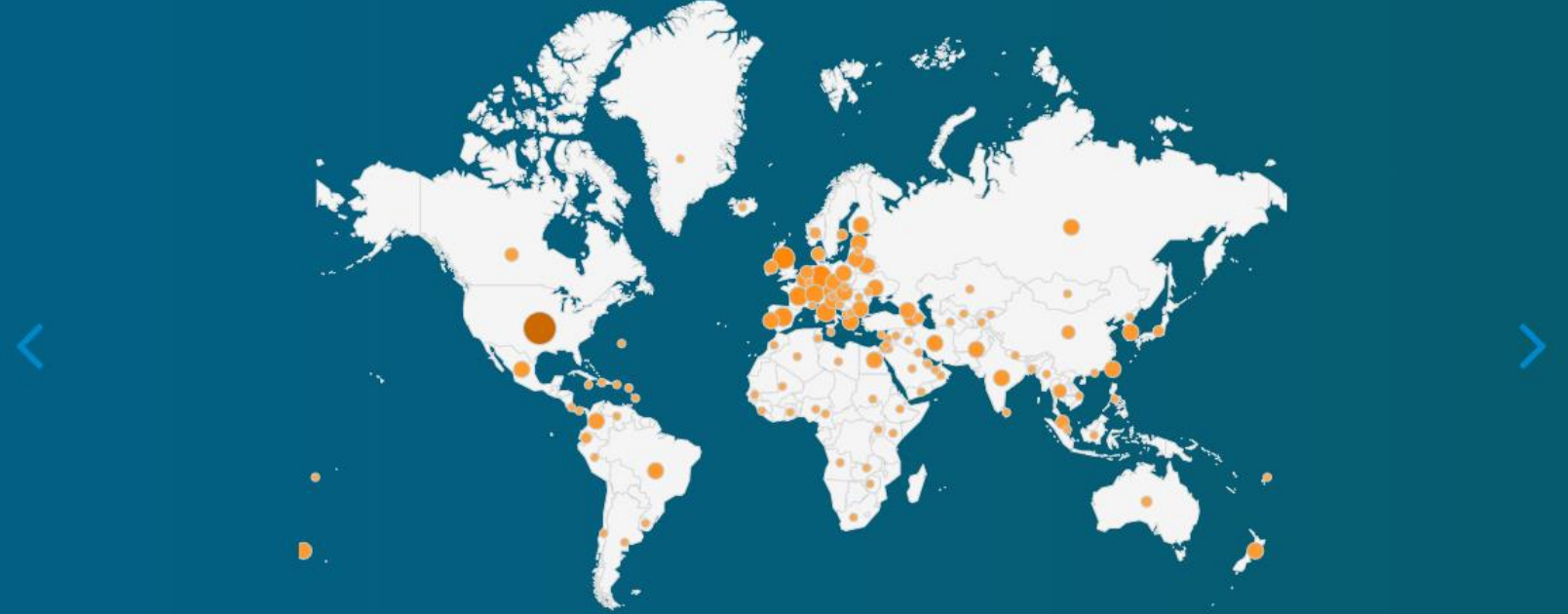
Search Researcher, Publication, Project, Scientific Review, Research Group, Activity

All



Advanced Search

## International Scientific Collaborations



## Reports and Statistics



**60,962**  
Publication



**8,053**  
Project



**2,545**  
Researcher



**253**  
Patent



**657,490**  
Citation



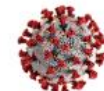
**30,160**  
Thesis



**21,912**  
Open Access



**Unit  
Researches**



**Research  
on  
COVID-19**



**Sustainable  
Development**

ODTÜ METU Middle East Technical University Research Information System

Researcher Login Türkçe

sustainability

Publications (671)

Thesis (27)

Projects (35)

Certificate (25)

Lesson (25)

Organized Event (19)

Congress and Symposium Participations (15)

Award (13)

All Results

Publications

Ameri M., Ghaffarkani M., Ghahrizjani R. T., Safari N., Mohajerani E., "Phenomenological morphology design of hybrid organic perovskite solar cell for high efficiency and less hysteresis", SOLAR ENERGY MATERIALS AND SOLAR CELLS, vol. 222, pp. 111-120, 2021

Diñç B. Ç., Fahriođlu M., Balci S., "Economic analysis of a transmission line between an island grid and a mainland grid", Journal of Energy Systems, vol. 1, pp. 186-198, 2021

Ince C., Shehata B. M. H., Derogar S., Ball R. J., "Towards a sustainable concrete incorporating waste tyre rubbers: A long-term study of physical, mechanical & durability properties and environmental impact", JOURNAL OF CLEANER PRODUCTION, vol.334, 2022

Sari E., Basu P., As I., "A Machine Learning Approach for Locating Businesses Along Main Arteries in Smart Cities", International Conference on Future Smart Cities, FSC 2021 and 4th International Conference on Resilient and Responsible Architecture and Urbanism, RRAU 2021, Virtual, Online, 3 - 05 December 2021, pp.33-45

Reports and Statistics

60,962 Publication

8,053 Project

2,545 Researcher

253 Patent

657,490 Citation

30,160 Thesis

21,912 Open Access

Unit Researches

Research on COVID-19

Sustainable Development

Recent Updates

Latest Publications

Lect. HİLAL ARSLAN TÜRKÖĐLU  
Faculty of Arts and Sciences

Happiness Inequality in Post-Socialist Countries during Neoliberal Transition  
Arslan H.  
COMPARATIVE SOCIOLOGY, vol.22, no.1, pp.30-73, 2023 (ESCI)

Prof. CEM TOPKAYA  
Faculty of Engineering

Colors of Hearings: A Subjective Experience of Synesthesia Among Six Siblings  
UZUNTUNA L. A., ÇOKSAN S., KOCA-ATABEY M.  
AYNA Klinik Psikoloji Dergisi, vol.10, no.1, pp.124-144, 2023 (Peer-Reviewed Journal)

Link

## STEP 1.

Write your keyword of interest.

## STEP 2.

Choose type of academic output.  
e.g. Publications

sustainability

Scope: All activities Faculty: All Department: All Program: All

- Found Record Types: All (1065), Publications (671), Theses (241), Projects (35), Certificate (25), Lesson (25)
- Subtype: Article (390), Conference Paper (211), Review (27), Book Chapter (23), Book (5)
- UN Sustainable Development Goals: RESPONSIBLE CONSUMPTION AND PRODUCTION (186), AFFORDABLE AND CLEAN ENERGY (148), INDUSTRIAL INNOVATION AND INFRASTRUCTURE (91), CLIMATE ACTION (80), SUSTAINABLE CITIES AND COMMUNITIES (59), PARTNERSHIPS FOR THE GOALS (58), DECENT WORK AND ECONOMIC GROWTH (40)
- Open Access: All (671), No (601), Yes (70)
- Journal Index

671 result found in 32ms. Show 25 records

Found Record Types: Publications x Clear all filters

- Triple-Binder-Stabilized Marine Deposit Clay for Better Sustainability  
Hanafi M., Ekinci A., Aydin E.  
SUSTAINABILITY, vol.12, no.11, 2020 (SCI-Expanded)
- Sustainable Manufacturing Technologies: A Systematic Review of Latest Trends and Themes  
Bastas A.  
SUSTAINABILITY, vol.13, no.8, 2021 (SCI-Expanded)
- Comparative Study on the Performance of a Horizontal Axis Ocean Current Turbine Considering Deflector and Operating Depths  
Maldar N. R., Ng C. Y., Ean L. W., OĞUZ E. F.  
Middle East Technical University  
Assoc. Prof. ELİF OĞUZ  
Institutional Information: Faculty of Engineering, Department of Civil Engineering  
Contact Information: +90 312 210 5451, elifoguz@metu.edu.tr  
Research Areas: Engineering, Computing & Technology (ENG)
- Pollution through Substitution of Coal with Natural Gas in Domestic Heating  
PM1
- ozcaada Island: Wind vs. Photovoltaic
- Oğuz E., Şentürk A. E.  
SUSTAINABILITY, vol.11, no.15, 2019 (SCI-Expanded)
- The Asymmetric Impact of Funding Liquidity Risk on the Volatility of Stock Portfolios during the COVID-19 Crisis  
KOCAARSLAN B., Soytaş U.  
SUSTAINABILITY, vol.13, no.4, pp.1-12, 2021 (SCI-Expanded)
- Sustainability Based Decision-Making in the Mining Sector  
Yaylaçlı E. D., Duzgun H. S.  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production (SWEMP) / International Symposium on Computer Applications (CAMI), İstanbul, Turkey, 5 - 07 October 2016

**STEP 3.**  
Click on the METU researcher working in your field of interest.



Assoc. Prof. ELİF OĞUZ



- Home Page
- Education Information
- Research Areas
- Academic And Administrative Experience
- Publications & Works
- Project & Patent & Design
- Scientific Activities
- Achievements & Reputation
- Announcements & Documents
- Contact
- Download CV

## General Information

**Institutional Information:** Faculty Of Engineering, Department Of Civil Engineering

**Research Areas:** Engineering and Technology

### METRICS

More metrics

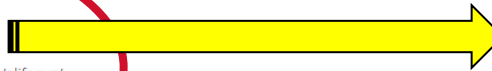
<b>Publication</b>		<b>Citation (WoS)</b>	<b>H-Index (WoS)</b>	<b>Citation (Scopus)</b>
53		357	10	179
<b>H-Index (Scopus)</b>	<b>Project</b>	<b>Thesis Advisory</b>	<b>Open Access</b>	
7	12	6	13	

### UN Sustainable Development Goals



### CONTACT

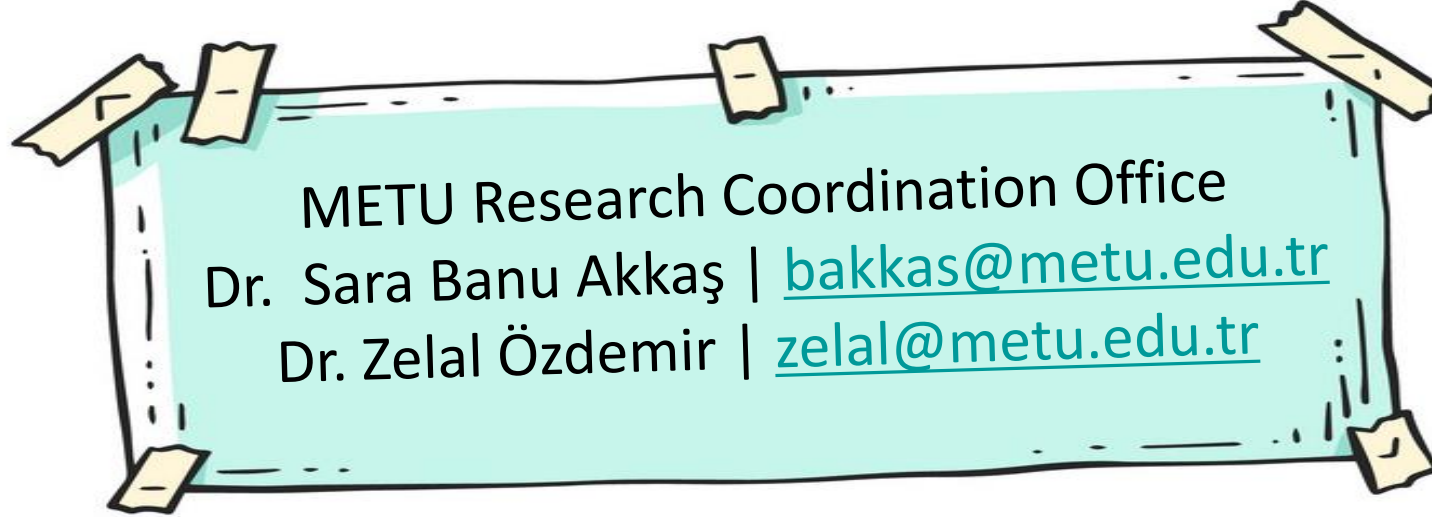
<b>Email</b>	elifoguz@metu.edu.tr
<b>Web Page</b>	<a href="https://blog.metu.edu.tr/elifoguz/">https://blog.metu.edu.tr/elifoguz/</a>
<b>Office Phone</b>	+90 312 210 5451
<b>Office</b>	K3 / 207



## STEP 4.

Communicate with the your supervisor of interest and ask if they wish to collaborate.

*Thank you.*





250<sup>TH</sup>  
YEAR  
1773 – 2023



250<sup>TH</sup>  
YEAR  
1773 – 2023

# ISTANBUL TECHNICAL UNIVERSITY

June 2023

International Projects Office

250<sup>TH</sup>  
YEAR  
1773 – 2023

İTÜ



250<sup>TH</sup>  
YEAR  
1773-2023

## CAMPUSES



## 6 Institutes

- . Disaster Management Institute
- . Eurasia Institute of Earth Sciences
- . Informatics Institute
- . Energy Institute
- . Aviation Institute
- . Graduate School

**71**  
Doctorate  
Programs

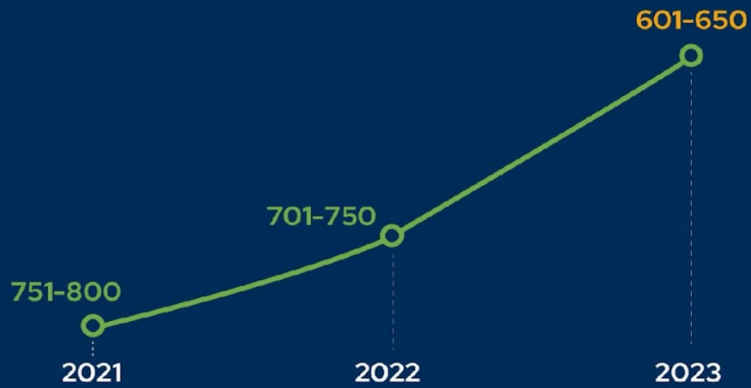
**120**  
Master  
Programs

**104**  
Undergraduate  
Programs

## 14 Faculties

- . Faculty of Aeronautics and Astronautics
- . Faculty of Chemical and Metallurgical Engineering
- . Faculty of Civil Engineering
- . Faculty of Computer and Informatics Engineering
- . Faculty of Electrical and Electronics Engineering
- . Faculty of Mines
- . Faculty of Science and Letters
- . Faculty of Naval Architecture and Ocean Engineering
- . Faculty of Architecture Engineering
- . Faculty of Mechanical Engineering
- . Faculty of Textile Technologies & Design
- . Faculty of Management
- . Faculty of Maritime
- . Turkish Music Conservatory
- . School of Foreign Languages

Istanbul Technical University rose  
**100 places** and  
**ranked #601-650**  
 in 2023 QS World University Rankings



İTÜ in its 250th Year

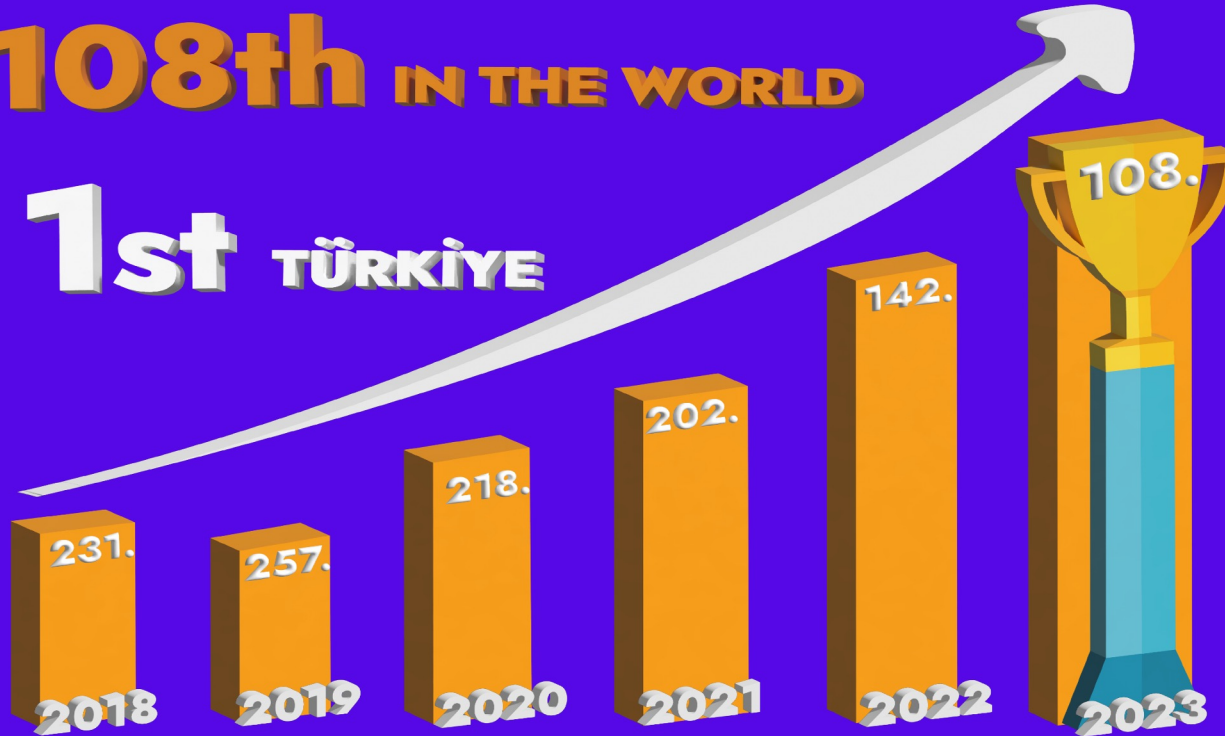
is Türkiye's Leader University of

in "Engineering and Technology" area of  
QS World University Rankings by Subject



**108th** IN THE WORLD

**1st** TÜRKİYE



**Approximately 100 Memorandum of understandings** with 36 countries in 5 continents.

**900+ Erasmus** Agreements with 250 universities.

ITU offers its students an opportunity to study at a global scale with its international engagements through various agreements including Erasmus, ATHENS, T.I.M.E. and EELISA.



# EELISA

EELISA (European Engineering Learning Innovation and Science Alliance) involves 9 technical universities from 7 European countries and also a part of the European Universities.

EELISA is the first alliance of European Higher Education Institutions (*graduate engineering schools, technology universities and full-spectrum universities*), meant to define and implement a common model of *European engineer*, rooted in society through democratizing engineering education and evolving interdisciplinary engineering learning.





 World's Most Sustainable Universities Ranking:

**47<sup>th</sup>** in the world

**26<sup>th</sup>** among European universities

**1<sup>st</sup>** in Türkiye  
for six years  
in a row

İTÜ 

250<sup>TH</sup> YEAR  
1773 - 2023

We are the first  
and only Turkish  
university in the  
**top 50**

- Minimum carbon emission
- 650.000 m<sup>2</sup> forest land
- 5 km bicycle track



## LABORATORIES

The road to a strong **R&D university** is through laboratories.

With its **549 Laboratories**, ITU has a rich laboratory infrastructure that serves students, academicians and the private sector.



## 34 RESEARCH CENTERS



- Disaster Management Center
- Women's Studies Center in Science, Engineering and Technology (WSC in SET)
- Environment and Urban Planning Practice and Research Center
- Marine Equipment Test Application and Research Center
- Dr. Orhan Öcalgiray Molecular Biology-Biotechnology & Genetics Research Center (MOBGAM)
- EMCOL Research Center
- Center for Entrepreneurship and Innovation (İTÜ-GİNOVA)
- Climate Change Application and Research Center
- Istanbul Regulation Application and Research Center
- İTÜ Center for Excellence in Education
- İTÜ Electronic Design and Metrology Application and Research Center
- İTÜ Aviation and Space Technologies Application and Research Center
- İTÜ Polar Research Center
- İTÜ Center for Social Innovation
- İTÜ Turkish Straits Maritime Application and Research Center
- Center for Housing Research and Training Center
- Critical and Functional Material Technologies Application and Research Center
- MEMTEK - National Research Center on Membrane Technologies
- Prof. Dr. Adnan Tekin Materials Science and Manufacturing Technology Application and Research Center (ATUM)
- Water and Marine Science Technology Application and Research Center
- Agricultural and Environmental Informatics Application and Research Center (TARBİL)
- Medical Devices Application and Research Center
- National Geographic Information Technologies Innovation Application and Research Center
- National High Performance Computing Center
- Satellite Communications and Remote Sensing Center
- Artificial Intelligence and Data Science Application and Research Center

## ITU ARI TEKNOKENT

ITU ARI Teknokent was founded on the ITU Ayazağa Campus with **10 TechnoParks**, enabling **successful R&D projects**. These projects also contribute to the national economy.



**300 + R&D  
Companies  
with 8.100  
employees**

**+3400  
Completed  
R&D Projects**

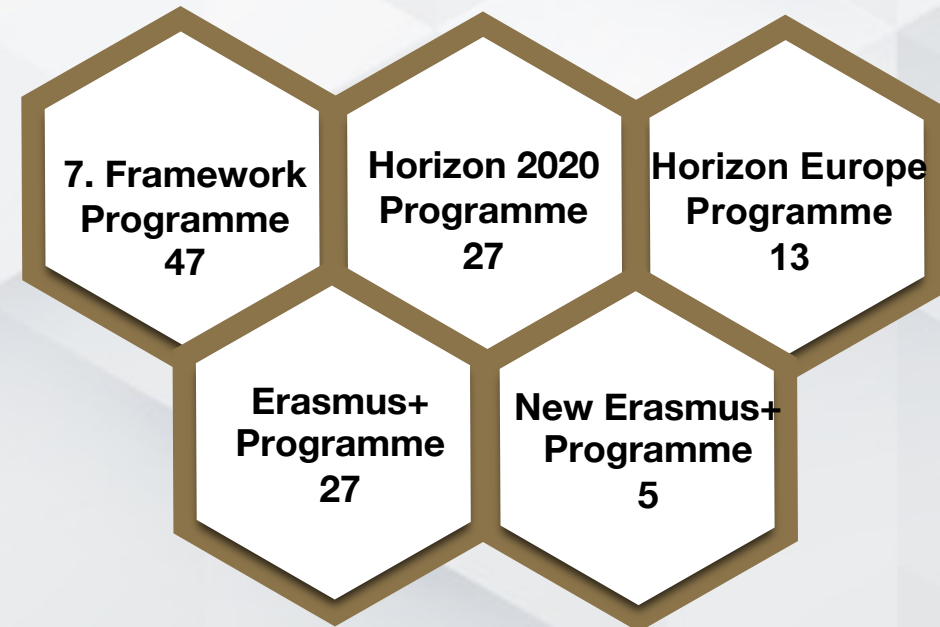
**Offices  
San-Francisco  
Chicago  
London**

**Total Export  
800 Million \$**

**Total R&D  
income  
10 Billion TL**



Funded by  
the European Union



**Marie Skłodowska Curie Action – Postdoctoral Fellowship 2023**  
**Expression of interest – Hosting offer**  
**(MSCA-PF-2023)**

<b>Contact Person/Scientist in charge</b> <i>(data of the principal investigator of the research group/lab or scientific supervisor)</i>	<b>Name</b>	
	<b>Surname</b>	
	<b>Email</b>	
<b>Laboratory /Department /Institute /Centre /</b> <i>(data of the centre/department where the fellow would be located)</i>	<b>Name</b>	
	<b>Address</b>	
<b>Research Area</b> <i>(Please select the research area: corresponding to the eight MSCA evaluation panels. You can select between one and up to three scientific areas per EO)</i>		
<b>Brief description of the Centre/Research Group</b> <i>(max. 1,600 characters including spaces: information about the research centre or research group, scientific staff. Please include URL if possible)</i>		
<b>Project description</b> <i>(max. 1,800 characters including spaces: short description of the research project / research line where the fellow would be hosted and develop his /her project)</i>		
<b>Applications: documents to be submitted and deadlines</b> <i>(Please indicate the documents that the candidate fellow should submit to establish contact: CV, letter of motivation, letter of references, etc.,)</i>		



- **Associate Prof. Alper Gürarşlan - Faculty of Textile Tech. and Design**

Research Areas - sustainable materials, unconventional fibers, wet spinning, electronic textiles, smart textiles, and medical textiles.

- **Prof. Dr. Aslı Baysal - Chemistry Department**

Research Areas - interactions with living systems (bacteria and human cells) and biotic and abiotic degradation of various pollutants such as micro(nano)plastics, heavy metals, metaloxide nanoparticles in different environmental compartments (sediment, seawater, air etc.)

- **Associate Prof. Fatih Eren - Department of Urban and Regional Planning**

Research Areas - examining the spatial effects of platform urbanism on a city

- **Prof. Dr. Hayriye Eşbah Tuncay - Department of Landscape Architecture**

Research Areas - providing solutions to the urban heat island effects, sustainable drainage systems, food supply and disaster management.

- **Doctor Lecturer Konstantinos Vasilakos - MIAM Centre for Advanced Studies in Music**

Research Areas - deploying cutting edge technologies such as Socket programming and Machine Learning/AI capabilities to create real time interaction between acoustic music performers and live coders alike.

- **Prof. Dr. Leman Figen Gül - Department of Architecture**

Research Areas - issues of conveying cultural and historical information, use of elements of gamification and understanding/improving user's spatial cognition within the scope of the concept of cultural heritage.

- **Associate Prof. Levent Kırval - Maritime Faculty**

Research Areas - Maritime Transportation Engineering and Maritime Studies subfields

## HOSTING OFFERS

- **Associate Prof. Mehmet Nuri Akıncı - Electronics and Communication Department**

Research Areas - developing both algorithms and hardwares for microwave – mmwave imaging and sensing targeting biomedical applications and non-destructive testing.

- **Prof. Dr. Melike Nikbay - Faculty of Aeronautics and Astronautics**

Research Areas - aerodynamics, aeroelasticity, structural dynamics, machine learning, surrogate modeling and optimization.

- **Prof. Dr. Tuba Okutucu Özyurt - Energy Institute**

Research Areas - Targeting the minimization of carbon footprint, a numerical and experimental investigation of novel heat transfer fluids and thermal storage materials are proposed for use in CST or hybrid photovoltaic (PV) / CST systems.

- **Associate Prof. Tufan Kumbasar – Department of Control and Automation Engineering**

Research Areas - Fuzzy Logic from Type-1 to Type-n, Neural Networks from Shallow to Deep, Machine Learning from Supervised to Unsupervised and Reinforcement, Control Systems from Conventional to Intelligent, Optimization from Local to Global, Autonomous Systems from UAVs to AGVs

- **Associate Prof. Volkan Sezer - Department of Control and Automation Engineering**

Research Areas - all kinds of autonomy problems such as; localization, mapping, perception, global&local planning, and low-level control.

**PLEASE VISIT THE LINK BELOW TO GET MORE INFORMATION ON HOSTING OFFERS OF ITU**

<https://drive.google.com/drive/folders/10W71ctosEE1uYvvjqMescjPiiq865xrm>



The poster features a dark background with a central illustration of a person in a blue suit holding a magnifying glass over a 'WANTED' sign. To the left, a person is sitting at a desk with a laptop. The text 'MSCA HOSTING OFFERS' is prominently displayed in white and pink. At the bottom, it mentions 'Marie Skłodowska-Curie Actions' and 'European Commission'.

© European Union, 2022 (CC BY-NC-ND 4.0)  
Sources: Shutterstock.com #289956182

88

**MSCA  
HOSTING  
OFFERS**

Marie Skłodowska-Curie Actions  
*Developing talents, advancing research*

 European Commission



**Thank you!**

Contact Details:

Rectorate Building, Floor: 1, No:

104 34469 Maslak/Istanbul

Phone: +90 212 285 66 68

+90212 285 66 52

E-mail and Website:

[eucentre@itu.edu.tr](mailto:eucentre@itu.edu.tr)

<https://www.itu.edu.tr/en/homepage>







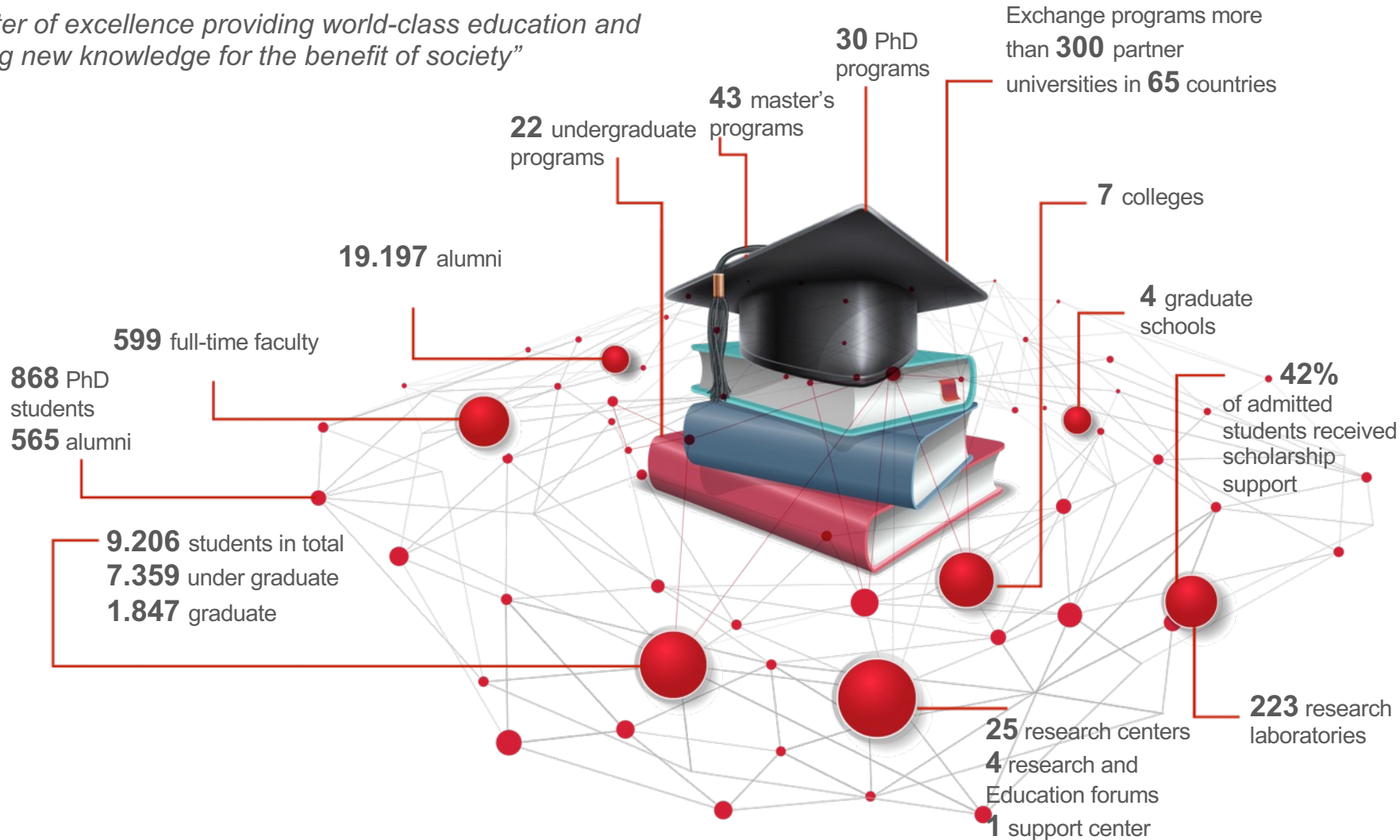
## **University overview and MSCA-PF-2023 Hosting Offers**

*Sponsored Research Office, [sro@ku.edu.tr](mailto:sro@ku.edu.tr)  
Emrah Göker, [egoker@ku.edu.tr](mailto:egoker@ku.edu.tr)*



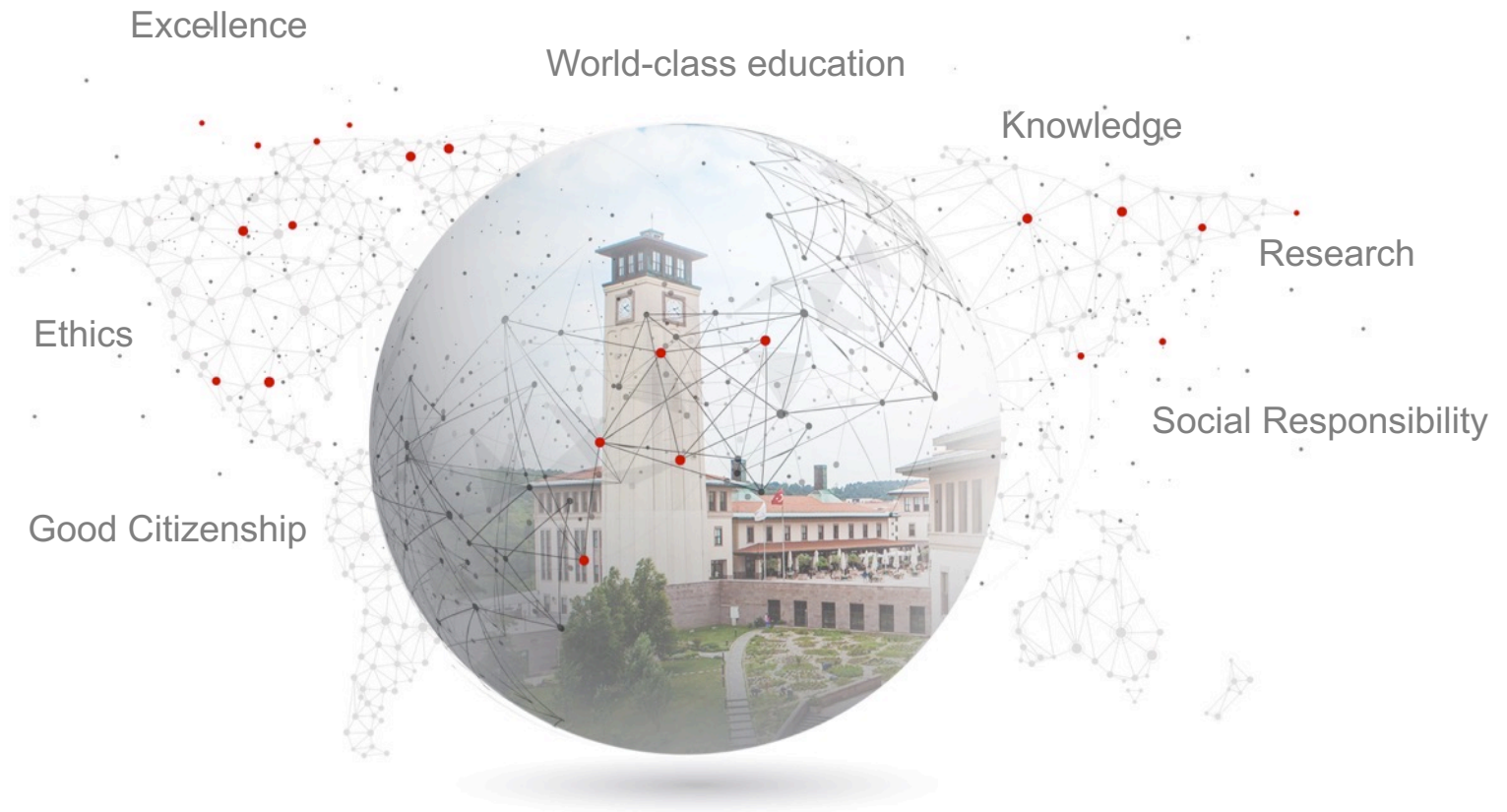
# Koç University Overview

*"A center of excellence providing world-class education and creating new knowledge for the benefit of society"*





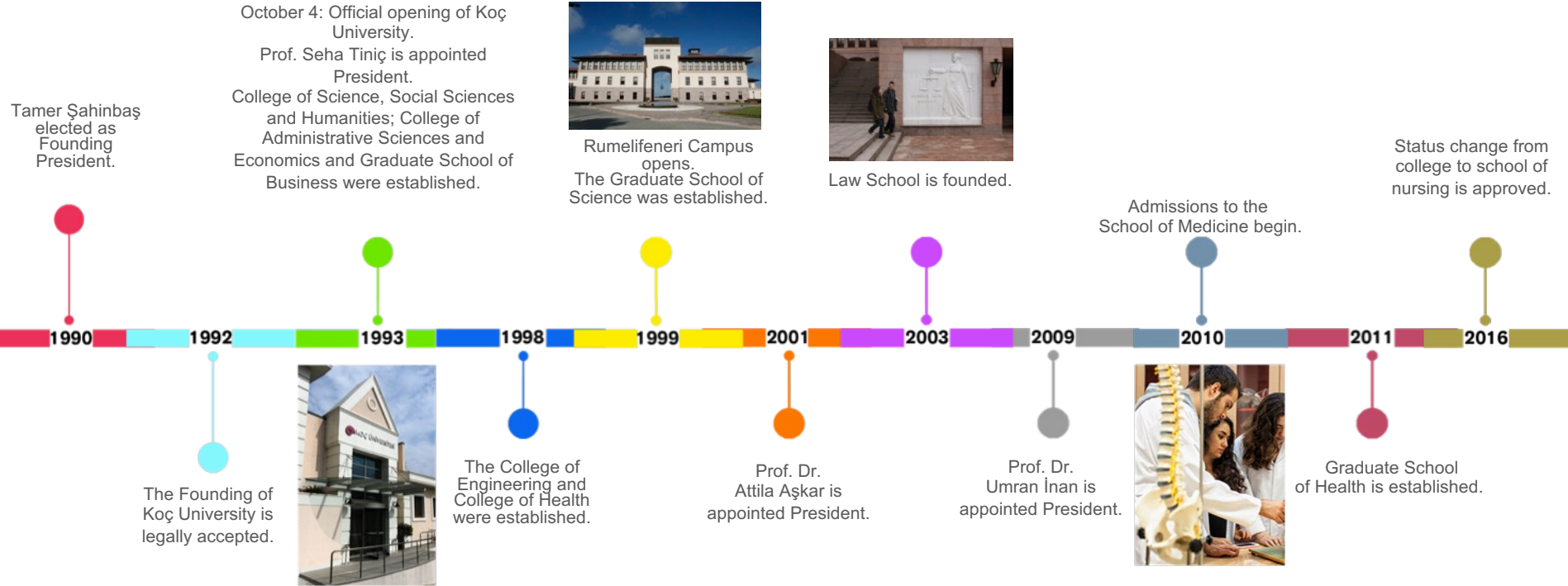
# Mission



*“Koç University strives to be a center of excellence, one that succeeds in providing a world-class education to its students, creating new knowledge via the research of its faculty, applying the acquired knowledge for the benefit of society, and equipping its students with the highest sense of ethics, social responsibility and good citizenship.”*



# Koç University Milestones





# Rankings

## WORLDWIDE RANKINGS

### Times Higher Education (THE) List

Young University Rankings **89**

Asian Rankings **76**

### Subject Based Rankings

Social Sciences

**201-250**

Engineering & Technology

**151-175**

Physical Sciences

**501-600**

Clinical & Health

**401-501**

### Graduate School of Business Rankings\*

#### Financial Times List

European Graduate School of Business Rankings

**42**

Executive MBA Rankings

**1** Turkey **31** World

#### QS World List

Masters in Management Rankings

**69**

(only university from Turkey)

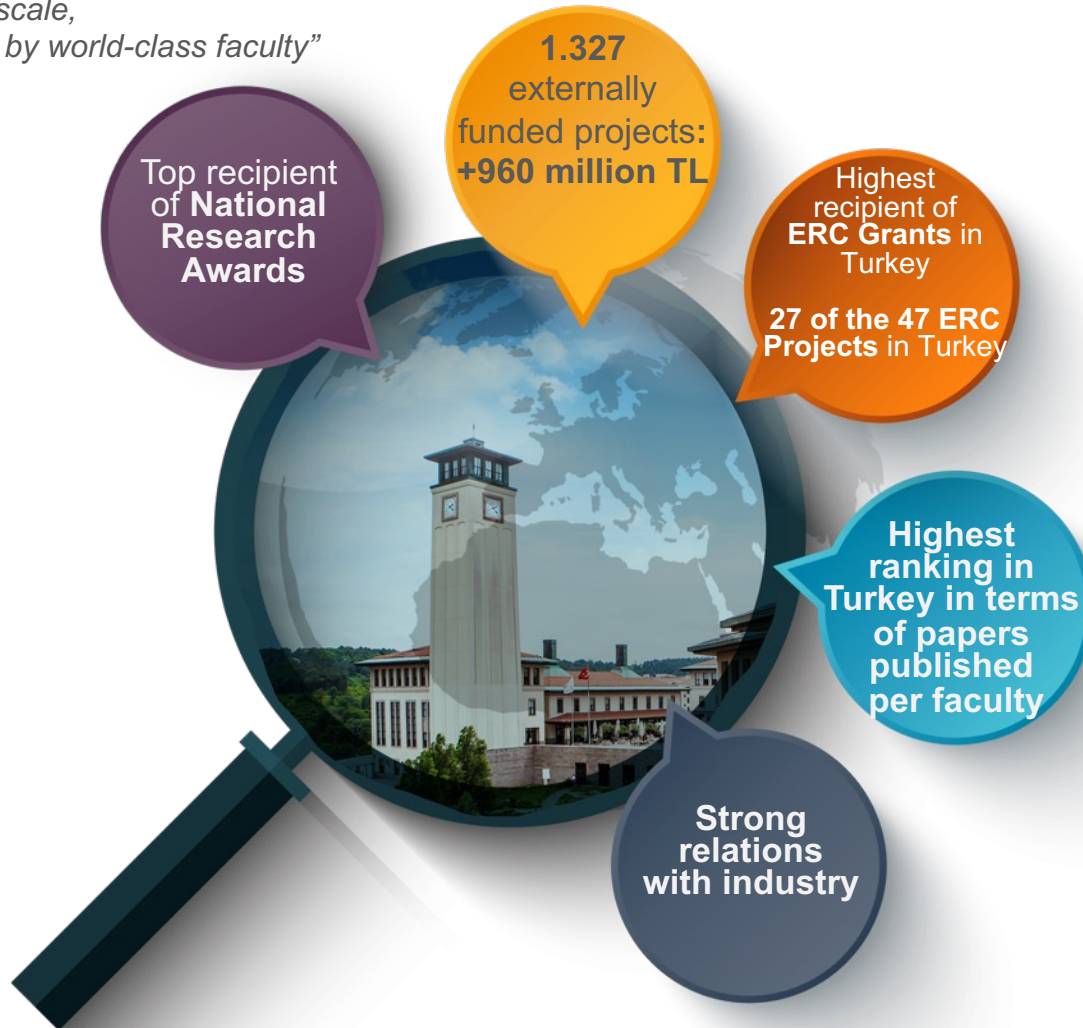
Masters in Finance Rankings

**62**



# Research at Koç University

*“Contributing on a global scale,  
cross-disciplinary and led by world-class faculty”*





# Academic Structure

## Colleges

- College of Administrative Sciences and Economics (CASE)
- College of Sciences (CS)
- College of Social Sciences and Humanities (CSSH)
- College of Engineering (CE)
- Law School (LAW)
- School of Medicine (SOM)
- School of Nursing (SON)

## Graduate Schools

- Graduate School of Business (GSB)
- Graduate School of Sciences & Engineering (GSSE)
- Graduate School of Social Sciences & Humanities (GSSSH)
- Graduate School of Health Sciences (GSHS)





# Research Forums

- Koç University – TÜSİAD Economic Research Forum (EAF)
- Koç University Migros Retailing Education Forum (KUMPEM)
- Koç University Social Impact Forum (KUSIF)
- Koç University Corporate Governance Forum (CGF)

## Support Centers

- Koç University Support Center for Disabled Children and their Families (EÇADEM)







# Research Centers

- Koç University Vehbi Koç and Ankara Research Center (VEKAM)
- Koç University Research Center for Anatolian Civilizations (ANAMED)
- Center for Research on Globalization, Peace, and Democratic Governance (GLODEM)
- Koç University Gender Studies Center (KOÇ-KAM)
- Koç University Migration Research Program at Koç University (MIReKoç)
- Dr. Nüsret - Semahat Arsel International Trade Law Application and Research Center (NASAMER)
- Koç University Social Policy Application and Research Center (KU-SPM)
- Koç University Surface Technologies Research Center (KUYTAM)
- Koç University TÜPRAŞ Energy Center (KUTEM)
- Koç University Mustafa V. Koç Maritime Archaeology Research Center (KUDAR)
- Center for Global Public Law (KÜREMER)
- Koç University Center for Civil Society and Philanthropy Research (KUSİTHAM)
- Koç University Arçelik Research Center for Creative Industries (KUAR)





# Research Centers (cont'd)

- Koç University Entrepreneurship Research Center (KWORKS)
- Koç University Stavros Niarchos Foundation Center for Late Antique and Byzantine Studies (GABAM)
- Koç University Suna & İnan Kıraç Research Center on Mediterranean Civilizations (AKMED)
- Koç University Center for Asian Studies (KUASIA)
- Koç University Research Center for Translational Medicine (KUTTAM)
- Koç University Boron-Based Materials & High-technology Chemicals Research & Application Center (KUBAM)
- Koç University Center for Field Research (KUSAM)
- Semahat Arsel Nursing Education and Research Center (SANERC)
- Koç University İş Bank Artificial Intelligence Research Center (KUIYZAM)
- Koç University İşbank Research Center for Infectious Diseases (KUISCID)
- Koç University Nanofabrication and Nanocharacterization Center for Scientific and Technological Advanced Research (n2STAR)





# Active Hosting Offers for MSCA-PF-2023 (see all: <https://bit.ly/ku-mscapf23>)

## Physical and Engineering Sciences

- *Koç University Nanofabrication and Nanocharacterization Center for Advanced and Scientific Research (n2STAR): [offer](#); [website](#)*
- *Medical Image Analysis Lab: [offer](#); [website](#)*
- *Koç University-Is Bank AI Center (KUIS AI): [offer](#); [website](#)*
- *Process Systems Engineering Group: [offer](#); [website](#)*
- *Distributed Systems and Reliable Networks Research Lab: [offer](#); [website](#)*
- *Soft & Active Materials Lab: [offer 1](#); [offer 2](#); [website](#)*
- *Mechanical Characterization Laboratory: [offer](#); [website](#)*
- *Magnonic and Photonic Devices Research Group: [offer 1](#) (biosensor panels for future pandemics and emerging public health issues); [offer 2](#) (2D nanoelectronic and spintronic materials and devices); [offer 3](#) (2D quantum emitters and silicon photonic integrated devices); [website](#)*
- *Wireless Network Lab: [offer](#); [website](#)*
- *Microphotonics Research Laboratory: [offer](#); [website](#)*





# Active Hosting Offers for MSCA-PF-2023 (see all: <https://bit.ly/ku-mscapf23>)

## Social Sciences and Humanities

- *Migration Research Center (MiReKoc):* [offer](#); [website](#)
- *InfodemiLab:* [offer](#); [website](#)
- *Center for Research on Globalization, Peace and Democratic Governance (GLODEM):* [offer](#); [website](#)
- *Belt and Road Initiative (BRI) Research Lab:* [offer](#); [website](#)
- *Koç University Vehbi Koç Ankara Studies Research Center (VEKAM):* [offer](#); [website](#)

## Life Sciences

- *Koç University-Isbank Center for Infectious Diseases (KUISCID):* [offer](#); [website](#)
- *Dynamic Systems Biology Laboratory:* [offer](#); [website](#)
- *Cancer & Metabolism Laboratory:* [offer](#); [website](#)
- *Chronic Lung Diseases Research Laboratory:* [offer](#); [presentation](#)





# Koç University Campuses



*'Rumelifeneri Campus'*



*'Koç University Hospital'*



*'İstinye Campus'*



# Koç University Campuses



AKMED



VEKAM



ANAMED



ANAMED

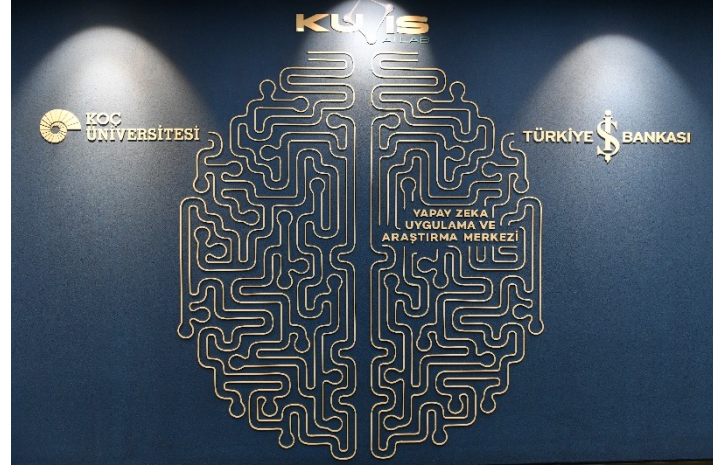
Research Centers



# Koç University Campuses



*KUIS AI*



*KUIS-EHAM*



*Research Centers*



# Campus Life







# Campus Life

## Dormitories

- Dormitory capacity of 2,787 students





# Campus Life

## Rich Content Library

- Suna Kiraç Library open 7/24
- 276.000+ printed volumes
- 235.000 electronic books
- 56.000+ electronic magazines





# Campus Life

## Culture, Art and Sport

- 96 student clubs
- Indoor sport facility with a capacity of 2.000 people, outdoor swimming pool and indoor ice-skating rink
- Sevgi Gönül Cultural Center with a capacity of 370 people





**Contact me for matchmaking at:**

*Emrah Göker, [egoker@ku.edu.tr](mailto:egoker@ku.edu.tr)*