

TÜBİTAK BİDEB 2236

Postdoctoral Research
Fellowship Programme.



Gross Salary €5050/month

Research, Training and Networking Support €800/month

Up to 24 months

Deadline for Online Applications:

October 30, 2020

<http://cocirc2.org.tr/>

About ODTÜ



Orta Doğu Teknik Üniversitesi (ODTÜ), founded in 1956, is one of the leading research universities in Turkey in terms of depth and breadth of national and international research projects. It seeks excellence in serving the country, region and the world.

ODTÜ has actively taken part in and managed various international projects. In this context, ODTÜ has 394 international projects with a total budget of 794 M€ and ODTÜ's share of 58 M€. ODTÜ pays specific attention to supporting mobility of researchers to increase two-way transfer of knowledge. For this purpose, ODTÜ has hosted 23 MSCA Individual Fellowships (FP7 and H2020) with a budget of about 2.9M€. In addition to that, in the 2019 call of the TÜBİTAK BİDEB 2236 programme there were 23 applications with ODTÜ as host institution, 7 of which were accepted for funding, corresponding to a 30% success rate.

ODTÜ has been a EURAXESS Service Centre since 2015, has endorsed its commitment to the 40 principles of the "European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers" in October 2018 and has recently become the first university in Turkey to be qualified to obtain the Human Resources Excellence in Research Award in August, 2020.

About GÜNAM

Center for Solar Energy Research and Application (GÜNAM) was established in 2009 by the support of Ministry of Development



Facilities:

- ❖ GÜNAM Photovoltaic Line (GPVL): GÜNAM's new facility GPVL is mainly capable of producing industrial size c-Si solar cells such as PERC/PERT/PERL and IBC type. From wafer to a solar cell, GPVL serves as a fully integrated pilot production line.
- ❖ 1000 and 10000 class Cleanroom Cell Test and Characterization Labs: GÜNAM cleanroom facility consists of four parts with a total lab area of 150 m². c-Si and Si-based thin-film production tools are located in the main hall of the facility. There are separate rooms for wet chemical processing and optical lithography. There is also a room for testing and characterization.
- ❖ Emerging PV: Large area, high efficiency and high stability perovskite, tandem and organic solar cell development and characterization labs.
- ❖ Outdoor Module Test Facility: GÜNAM's Outdoor PV Module Testing Facility where monocrystalline Si, amorphous Si, micromorphous Si, CIS, CdTe and HJ technologies are under investigation.
- ❖ BIPV and Grid System Integration Applications.



Science and Technology Research Fields:

Silicon PV Technologies, Emerging PV Technologies, PV Module Technologies, Building and Grid System PV Integration Technologies, Concentrated Solar Thermal Power Technologies

Human Resources:

30 Academicians, 77 PhD Students, 60 MSc Students, 23 Technical Personnel, 7 Administrative Personnel

Projects (Completed & Ongoing):

26 Internationally supported projects with a total budget of 78.7 MTL

83 Nationally supported projects with a total budget of 14 MTL

Infrastructural support of 22 MTL

31% Industry collaboration projects

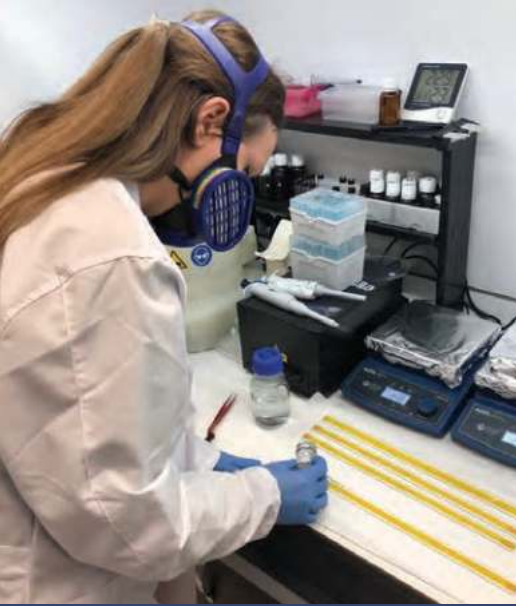
EU FP7 Projects: EU SOLARIS, CHEETAH, ECOPIX, FOCUS, NANODEV, PV4FACADE

EU H2020 Projects: INSHIP, HORIZON-STE, GEOSMART, SolarTwins, SFERA-III

Networks:

EERA - European Energy Research Alliance

Photo Voltaic Tech Platform



Emerging Photovoltaic Technologies (EPT)

- Perovskite: Research targetting large area (>6"), high efficiency (>18%), long term stability (>years) using novel fabrication methods and newly synthesized molecules and polymers.
- Tandem Solar Cells: Research towards fabrication of high efficiency perovskite/silicon and CZT/silicon tandem modules.
- Organic photovoltaics (OPV): Research on organic solar cells having high efficiency and long term stability together with ease of fabrication to realize flexible, lightweight and semi-transparent.

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