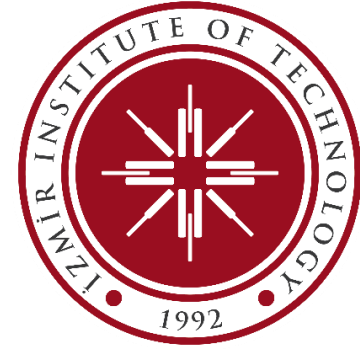




OpenAIRE in Türkiye

Gültekin Gürdal
Library Director
İzmir Institute of Technology



THE INTERNATIONAL ORGANISATION
FOR RESEARCH INFORMATION

Autumn 2025 Strategic Membership Meeting
Nov 25-27, 2025
İzmir, Türkiye



Gültekin Gürdal

Library Director
İzmir Institute of Technology

E-posta: gultekingurdal@iyte.edu.tr

Tel: +90 232 7506331

<http://web.iyte.edu.tr/~gultekingurdal/>

<http://orcid.org/0000-0001-7259-8134>

Education:

- Hacettepe University, Department of Information Management (Librarianship) (1986–1990),
- Kocaeli University, Master's Degree in Business Administration (2003–2005)

Work Experience:

- Bilkent University (1988 – 1990)
- TÜBİTAK Marmara Research Center (1990–1998)
- Sabancı University (1998–2004)
- TOBB University of Economics and Technology (2004–2005)
- Director of Library and Documentation Department at **İzmir Institute of Technology (İZTECH)** (2005 – Present)
- Founding Partner of the R&D company **Research Ecosystems** within Technopark İzmir (2021 – Present)

Projects, Association Presidencies, Memberships:

- Project Partner in EU projects **DIRNA** and **PATTERN** (Ongoing)
- Member of the **OpenAIRE** Board of Directors (2021 – Ongoing)
- Member of the **DSpace Leadership Group** (November 1, 2025 – Ongoing)
- Member of the DataCite Regional Experts Group
- President of the Anatolian University Libraries Consortium (**ANKOS**) (2008–2012)
- Coordinator of the ANKOS - AEKA (Open Access and Institutional Repositories) Group (2008–2018)
- Member of the TÜBİTAK ULAKBİM National Open Science Committee (2015 – Ongoing)
- Member of the Council of Higher Education (YÖK) Open Science and Open Access Working Group (2018 – Ongoing)
- Coordinator of the Council of Higher Education (YÖK) Research Data and Open Data Sub-Working Group (2019 – Ongoing)
- ANKOS Artificial Intelligence Research Group (2024– Ongoing)
- Active Membership in organizations such as the Confederation of Open Access Repositories (**COAR**), European Association for Research Information Systems (**EuroCRIS**), International Association of University Libraries (**IATUL**), Turkish Librarians' Association (**TKD**), and University and Research Librarians' Association (**ÜNAK**).

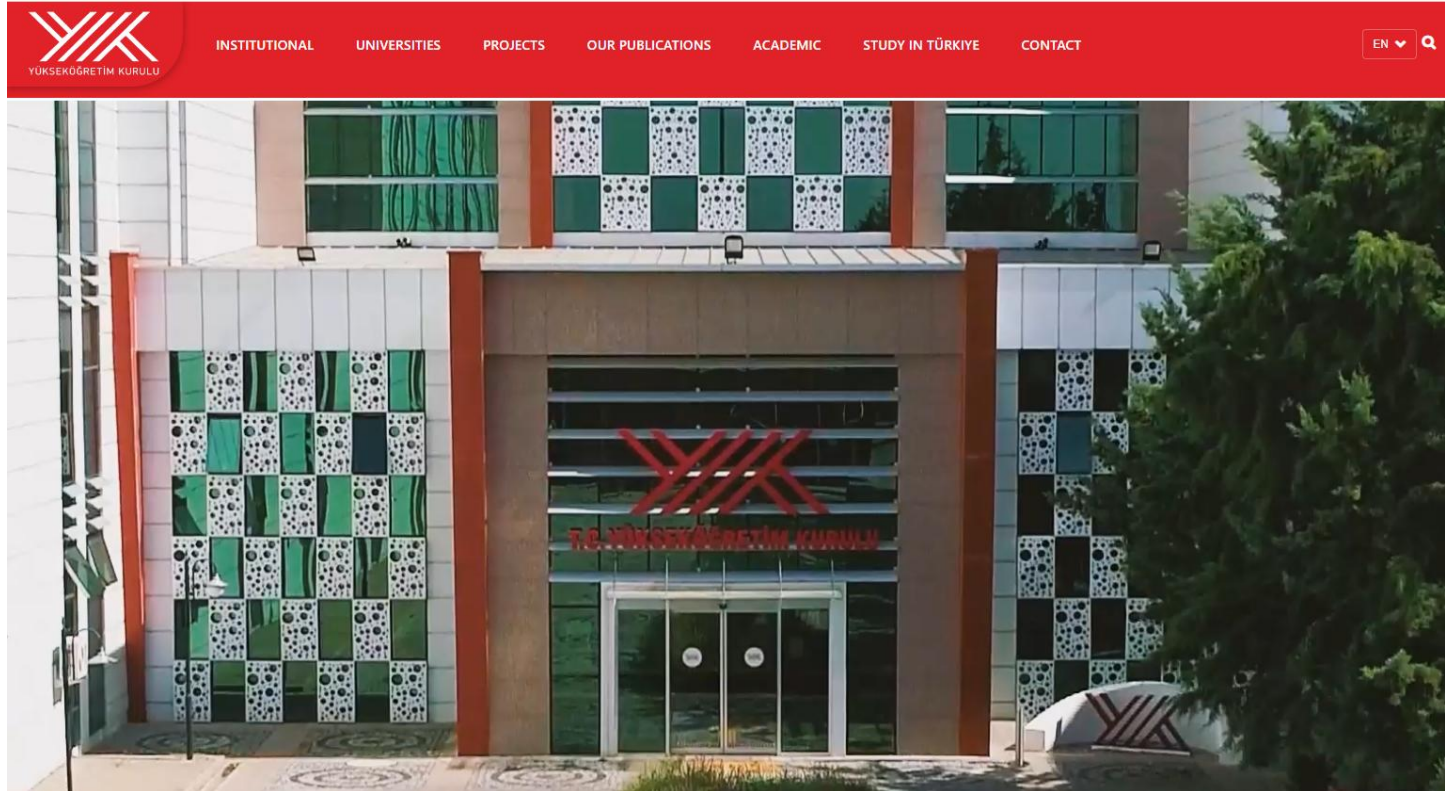
Scholarly Activities:

- Advocate for **Open Science**
- Numerous national and international publications (<https://hdl.handle.net/11147/16342>)
- Closely monitors and implements all scientific and technological developments in the field of librarianship.

The Impact of OpenAIRE on Open Science and Infrastructures in Türkiye



Higher Education Landscape in Türkiye



<https://www.yok.gov.tr/en>

The Council of Higher Education (YÖK)

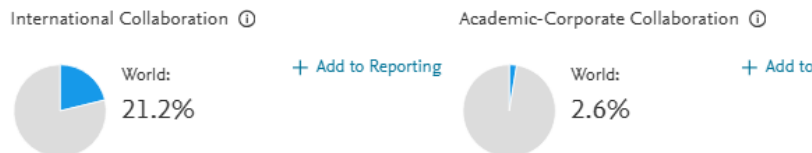
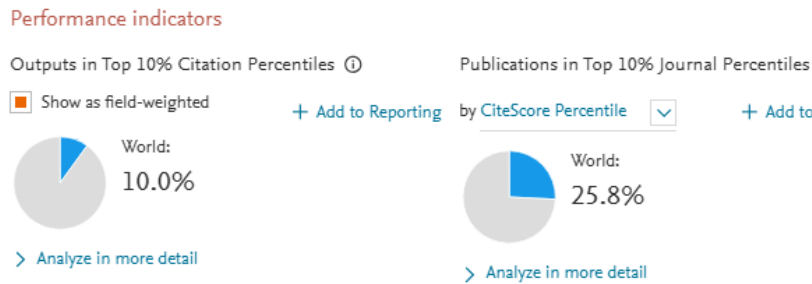
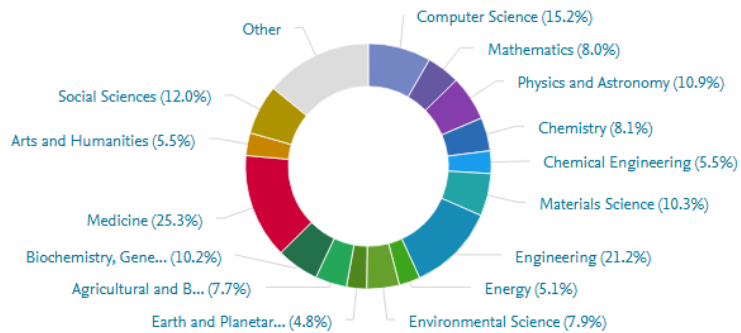
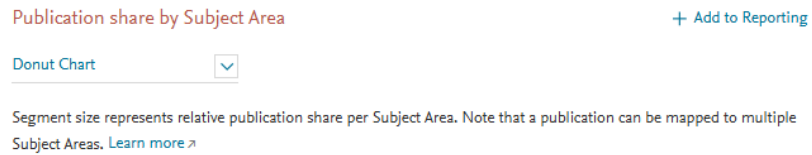
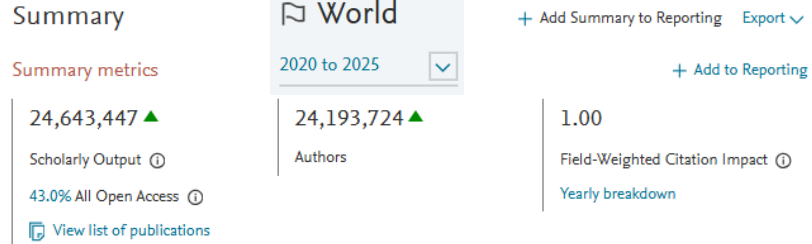
Higher Education Institutions:

State Universities:
127

Foundation Universities:
74

➤ **186.942** Faculty Members
(87.770 women, 99.172 men)

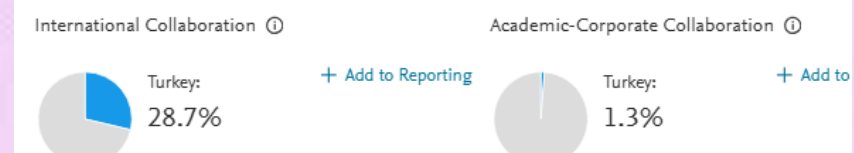
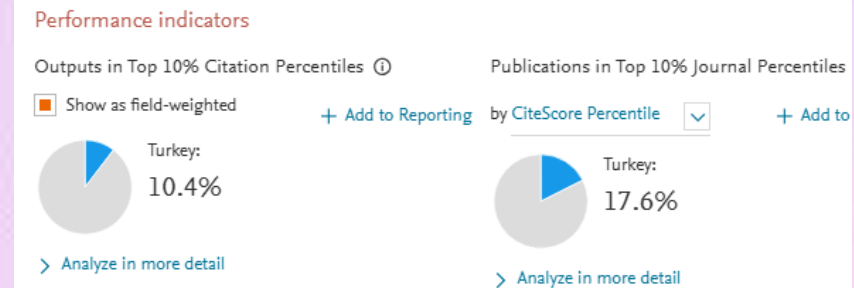
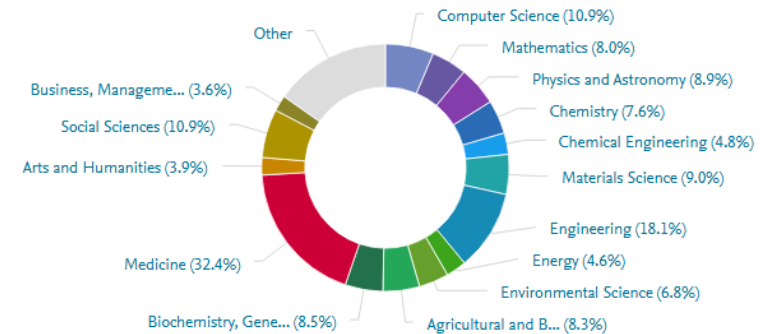
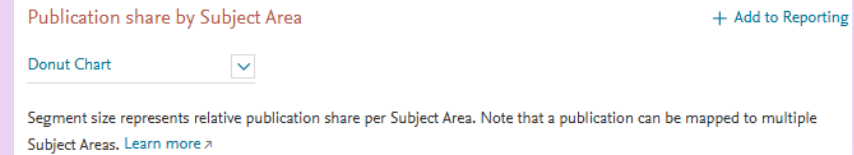
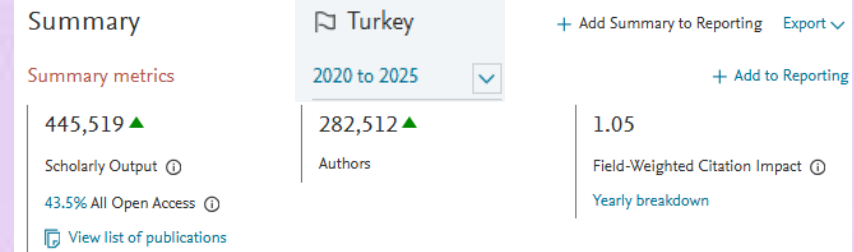
➤ **6.715.761** Students



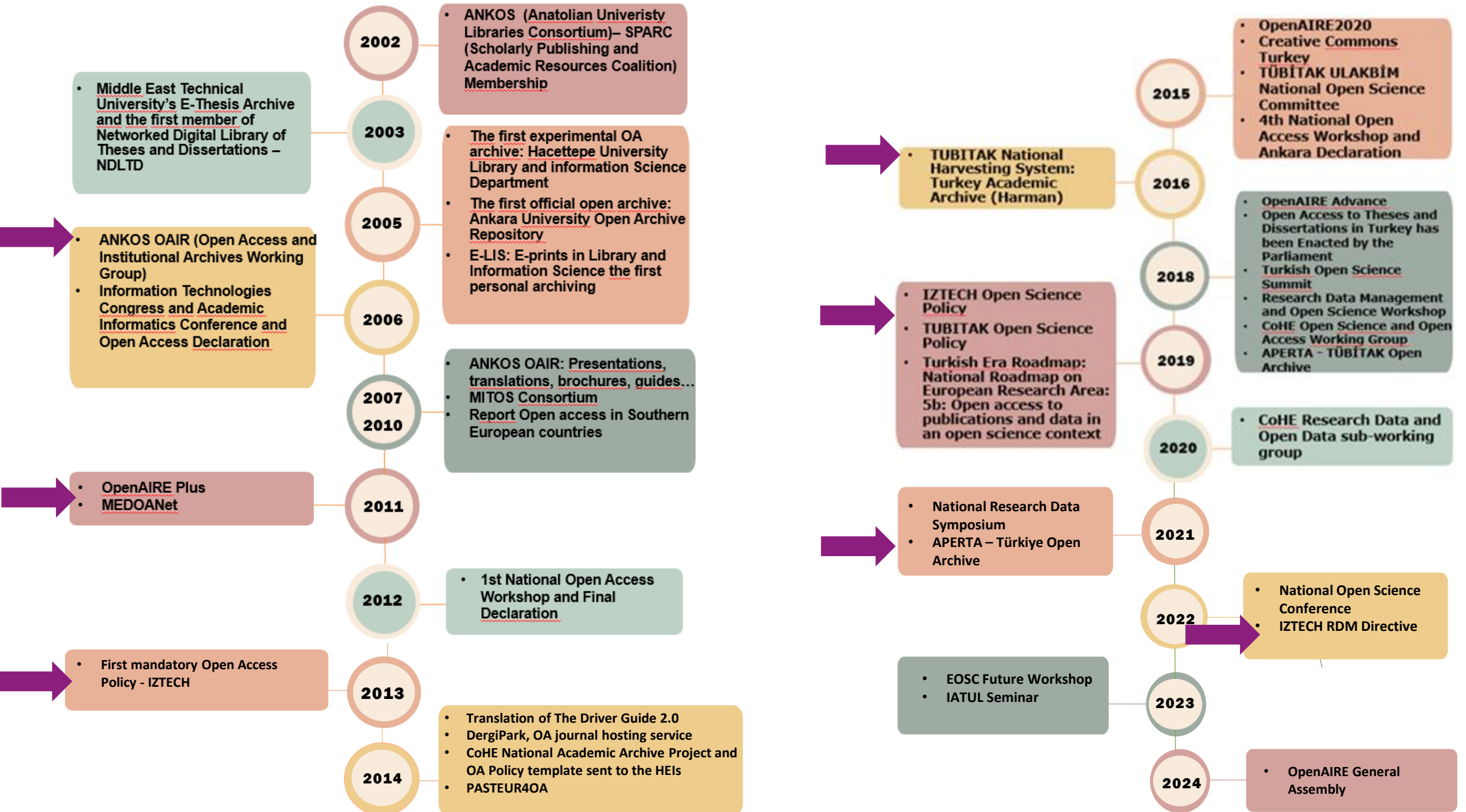
**Türkiye
produces
%1.81 of the
World's
Publication**

**%1.77 of the
World's
citation**

Scival – 13.11.2025



Open Access Movement in Türkiye: Milestones



Key Players for Open Science in Türkiye



Council of Higher Education (CoHE)

- CoHE Open Science Committee
- CoHE Research Data and Open Data Task Force Sub-Working Group



The Scientific and Technological Research Council of Türkiye (TÜBİTAK)

- TÜBİTAK Open Science Committee



Anatolian University Libraries Consortium (ANKOS)

- ANKOS Open Access and Institutional Repositories Working Group



OpenAIRE Türkiye NOAD

EC Projects



MedOANet (2011-2013)



PASTEUR4OA (2014-2016)



OpenAIRE Projects

- OpenAIRE Plus (2011-2014)
- OpenAIRE2020 (2015-2018)
- OpenAIRE Advance (2018-2021)



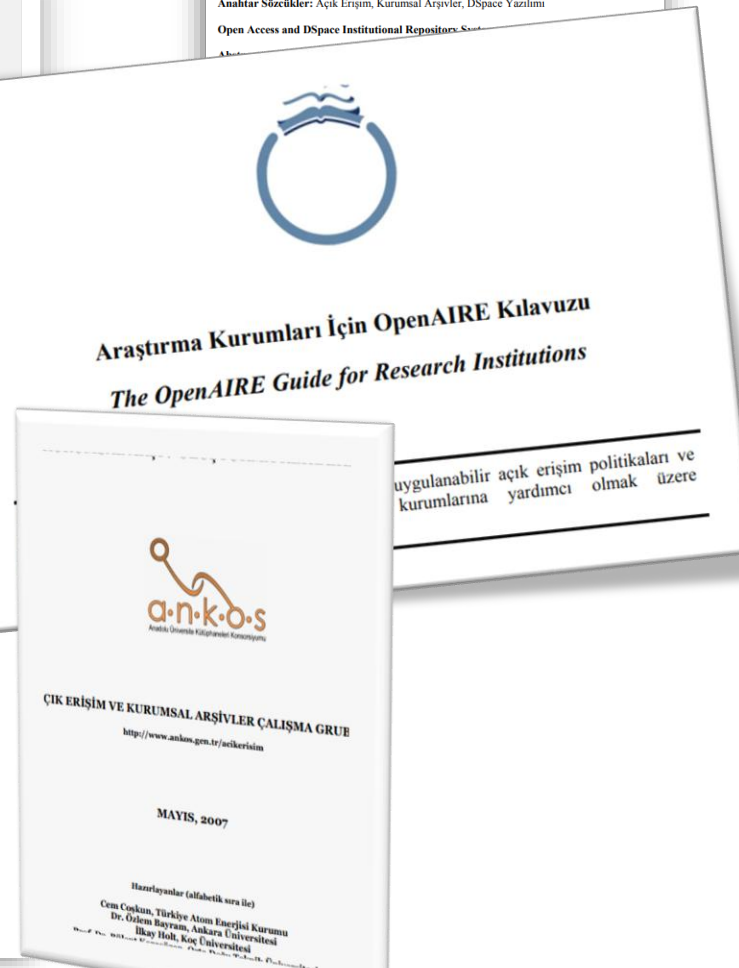
PATTERN (01.01.2023 – 30.06.2026)



Trainings Programmes

<http://acikerisim.yok.gov.tr>
<https://ankos.org.tr/tr/acik-erisim/kaynaklar/>
<https://acikerisim.org/>
<https://libguides.iyte.edu.tr/openaire>

- Açık Erişim Arşivi Oluşturma Süreci: Problemler ve Çözüm Önerileri. 3. Uluslararası Değişen Dünyada Bilgi Yönetimi Sempozyumu, 19-21 Eylül 2012, Ankara, Türkiye : Bildiriler Kitabı. Ankara: Hacettepe Üniversitesi Bilgi ve Belge Yönetimi Bölümü.
- Açık Erişim Arşivi Oluşturma Süreci: Ulusal Açık Erişim Çalıştayı, 8-9 Kasım 2012, Hacettepe Üniversitesi Kongre ve Kültür Merkezi, Sıhhiye, Ankara.
- DSpace Kurumsal Arşiv Sisteminin Kurulması ve Uygulanması. Ulusal Açık Erişim Çalıştayı, 8-9 Kasım 2012, Hacettepe Üniversitesi Kongre ve Kültür Merkezi, Sıhhiye, Ankara.



During the OpenAIRE Projects (2011-2021)



OpenAIRE Plus (2011-2014)
OpenAIRE2020 (2015-2018)
OpenAIRE Advance (2018-2021)

Participated in 154 events (39 of which were international events)

137 presentations (various region in Türkiye)

17 webinars

14 national workshops/conferences.



International projects accelerate open science in countries...

Turkish Open Science Summit:

High level meeting with decision makers, key players



<http://summit2018.acikbilim.org/>

September 10, 2018, Sakıp Sabancı Museum, Istanbul

Extensive Preparation Time and Strategic Planning

Organized by

- Izmir Institute of Technology,
- Sabancı University,
- The Scientific and Technological Research Council of Türkiye (TÜBİTAK),
- Hacettepe University
- Anadolu University Libraries Consortium (ANKOS).

Attended by 170 people and 1.342 people also followed the conference via online.

- Administrators of the Turkish Higher Education Council (CoHE),
- Administrators of the Turkish Scientific and Technological Research Council (TÜBİTAK),
- University Rectors,
- Vice Rectors,
- High-level representatives of industrial organisations
- NGOs.

The First Meeting on Research Data Management

A day after Turkish Open Science Summit "Research Data Management and Open Science Workshop" was held at Bogazici University, İstanbul with nearly 200 participants.



By the cooperation of TÜBİTAK, Bogazici University, İzmir Institute of Technology and Hacettepe University.



Speakers: Most of the invited speakers for the Open Science Summit.

**September 11, 2018, Bogazici University,
İstanbul**

<http://rdm.acikerisim.org/>

Impact of the Turkish Open Science Summit

Immediate invitation
by COHE to brief them
about open science
principles

CoHE established an
official Open Science
Committee

Two meetings were held
with President of CoHE in
October and December
2018

CoHE established Research
Data and Open Data Task
Force Sub-Working Group



Türkiye's Roadmap for Universities

5b: Open access to publications and data in an open science context

Open Access and Open Science constitute basis for increased visibility, increased citations, equal access (including disabled people), wider dissemination of scientific knowledge and research results. The impact of open access is favourable in terms of capturing value out of research and achieving increased returns to public investment in research.

Council of Higher Education (YÖK) together with TÜBİTAK are leading the processes for enabling open access at national scale. The national level strategies and actions would be complemented by university level activities for open access.

Objective 5b: Promoting and implementing an Open Science and Open Access approach

YÖK formed a Commission on Open Access including the rectors, related faculty members, TÜBİTAK representatives and library documentation experts. In this context, YÖK highlighted the importance of establishment of the "Open Academic Archive System" in the international standards in all universities, the integration of the university archives into "Open Access" (OpenAIRE) through Harman (national installation of OpenAIRE software), and using of "Universal Researcher Numbers (ORCID-ID)".

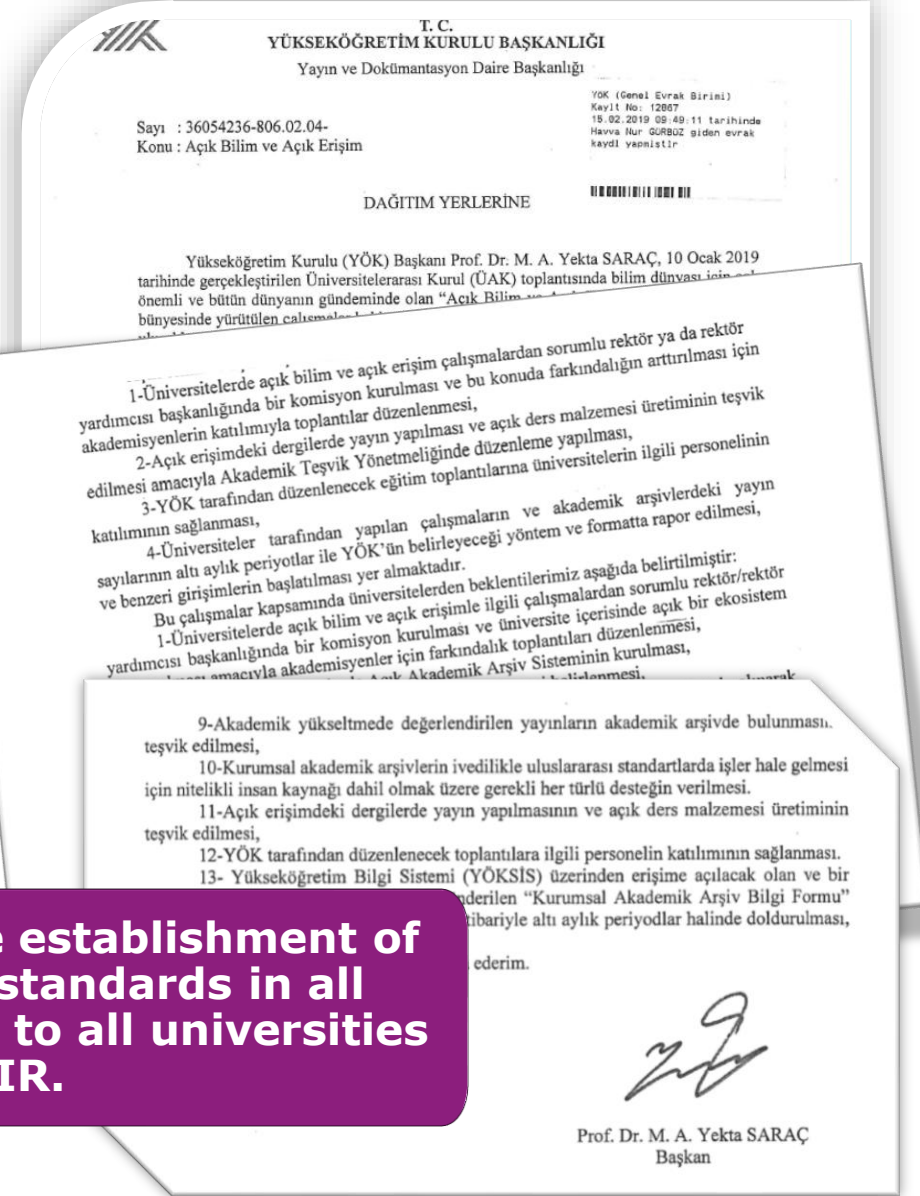
Concrete steps are declared by YÖK as of January 2019:

- Reporting of the work carried out by universities and the number of publications in open academic archives in a method and format determined by YÖK in six-month periods,
- Establishing a commission under the chairmanship of the rector / vice-rector responsible for open access and open science studies at universities and organizing awareness meetings to develop a clear ecosystem within the university,
- Revision of the Academic Incentive Regulation in order to promote publishing in open access journals and production of open education material,
- Ensuring the participation of the relevant staff of the universities in the meetings and trainings organized by YÖK.

In 2019, TÜBİTAK will take decisive cooperation with YÖK:

- Adoption of TÜBİTAK's Open Science Strategy
- Adoption of the timeline: 2019-2020 as the year of transition for all support programmes
- Launching pilot call with Open Science requirements in the second half of 2019
- Setting up of the aperta.ulakbim.gov.tr (Institutional Repository for TUBITAK and Research Data Management to serve all universities) as a live system (live)

CoHE highlighted the importance of the establishment of the "IR System" in the international standards in all universities. CoHE sent an official letter to all universities about open science and IR.



Open Access to Theses: National Policy Funder Policy: TUBITAK Open Science Policy



THIS BLOG HAS BEEN DISCONTINUED. Please acc

Open Access to Theses and Dissertations in Turkey has been Enacted by the Parliament

Gültekin Gürdal | 2018-08-07 | country highlights | Add Reply



This has been an extremely important improvement for the open access in Turkey. The Council of Higher Education (YÖK) National Theses Center and Turkey OpenAIRE NOAD had worked hard to make compulsory open access to theses and dissertations. As a result of these efforts, the Law numbered 7100 has been entered into force upon publication of the Official Gazette numbered 30352 and dated March 06, 2018. According to this article, which constitutes Additional Regulation of the Council of Higher Education Code numbered 2547:

"Unless a decision of secrecy is taken by the authorized body, all theses and dissertations shall be opened to access in electronic form by the National Theses Center of the Council of Higher Education in order to contribute to the scientific world."

It is compulsory to send all theses and dissertations to YÖK National Theses Center after the said provision entered into force, "The Directive on Collecting, Storing, Archiving, Compiling and Digital Protection of the Publications and Research Data Originated from the Projects which have been carried out or supported by The Scientific and Technological Research Council of Turkey (TUBITAK) constitute the framework of TUBITAK's Open Science Policy."

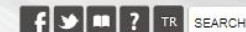
Before this regulation, theses and dissertations were closed to access in electronic form upon request of the respective author. However, it is no longer possible to prevent access to theses and dissertations except for the provisions of the regulation. In other words, it is not enough to close theses and dissertations, but also university administrations must ensure that they are open. This improvement is an important step in the liberation of science. Hence, all theses and dissertations from Turkey will be available to the scientific world.

The rate of
OA Theses
and
Dissertations
raised over
%97



TÜBİTAK

THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY



About TUBITAK

Funds

Scholarships

R&D Activities



TÜBİTAK

TUBITAK Open Science Policy

Home Page

TUBITAK Open Science Policy

News Archive

Announcement Archive

A+ A-

Policy Title:

The management, storage, archiving, compilation and digital protection of the publications and research data originated from the projects which have been carried out or supported by The Scientific and Technological Research Council of Turkey (TUBITAK) constitute the framework of TUBITAK's Open Science Policy.

Purpose:

The concept of Open Access was first introduced in 2002 as "free availability of scientific literature on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, index them, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inherent in the retrieval of the text itself from a library."

Based on the OpenAIRE model Policy on Open Science for Research Funding Organisations (RFOs).

DergiPark- National Open Journal Hosting Platform

DergiPark supports national academic journals to gain presence following international standards and increase their visibility.

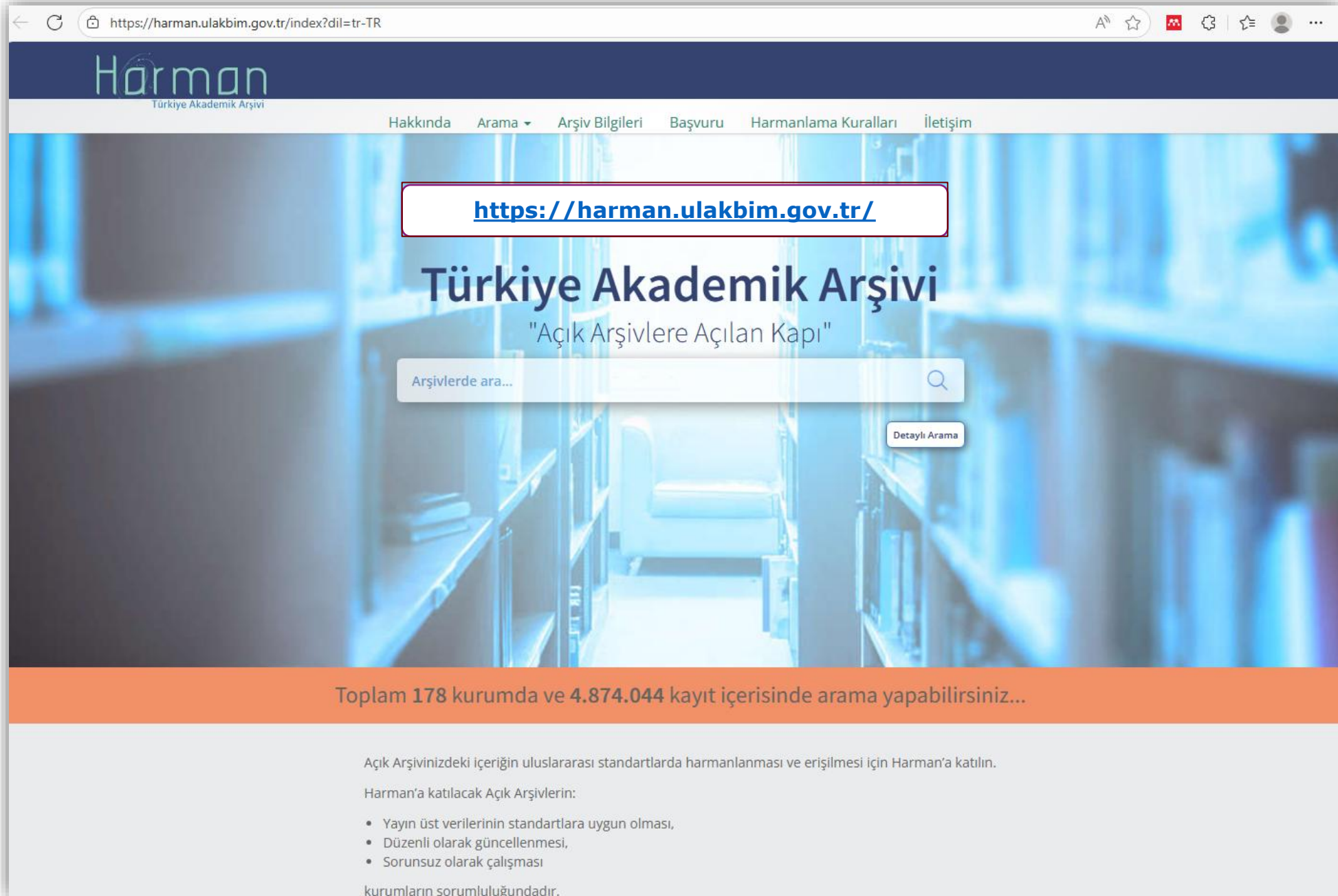
It's one of the biggest data providers to OpenAIRE.

The screenshot displays the DergiPark website interface. At the top, the navigation menu includes links for About, Journals, Publishers, Researchers, Journal Wizard, Help, and Announcements. The main header features the DergiPark AKADEMİK logo and a large image of a green bicycle with a brown bag. Below the logo, a URL box contains the link <https://dergipark.org.tr/en/>. A text block states: "DergiPark is now at your service with a faster and more secure infrastructure! We thank you for your understanding." A white banner overlay shows statistics: Article 773.569, Journal 3.005, Researcher 829.249, and Publisher 1.291. The bottom section displays four journal covers with their respective titles and years: "İşletme ve İktisat Çalışmaları Dergisi" (13th Year), "Journal of Public Economy and Public Financial Management" (5th Year), "Communicata" (15th Year), and "Journal of Applied Sciences of Mehmet Akif Ersoy University" (9th Year).

Türkiye Academic Archive: Harman

It harvests IRs in
Türkiye compliant
with international
standards.

178 institutions
4.874.044 records



https://harman.ulakbim.gov.tr/

Türkiye Akademik Arşivi

"Açık Arşivlere Açılan Kapı"

Arşivlerde ara...

Detaylı Arama

Toplam 178 kurumda ve 4.874.044 kayıt içerisinde arama yapabilirsiniz...

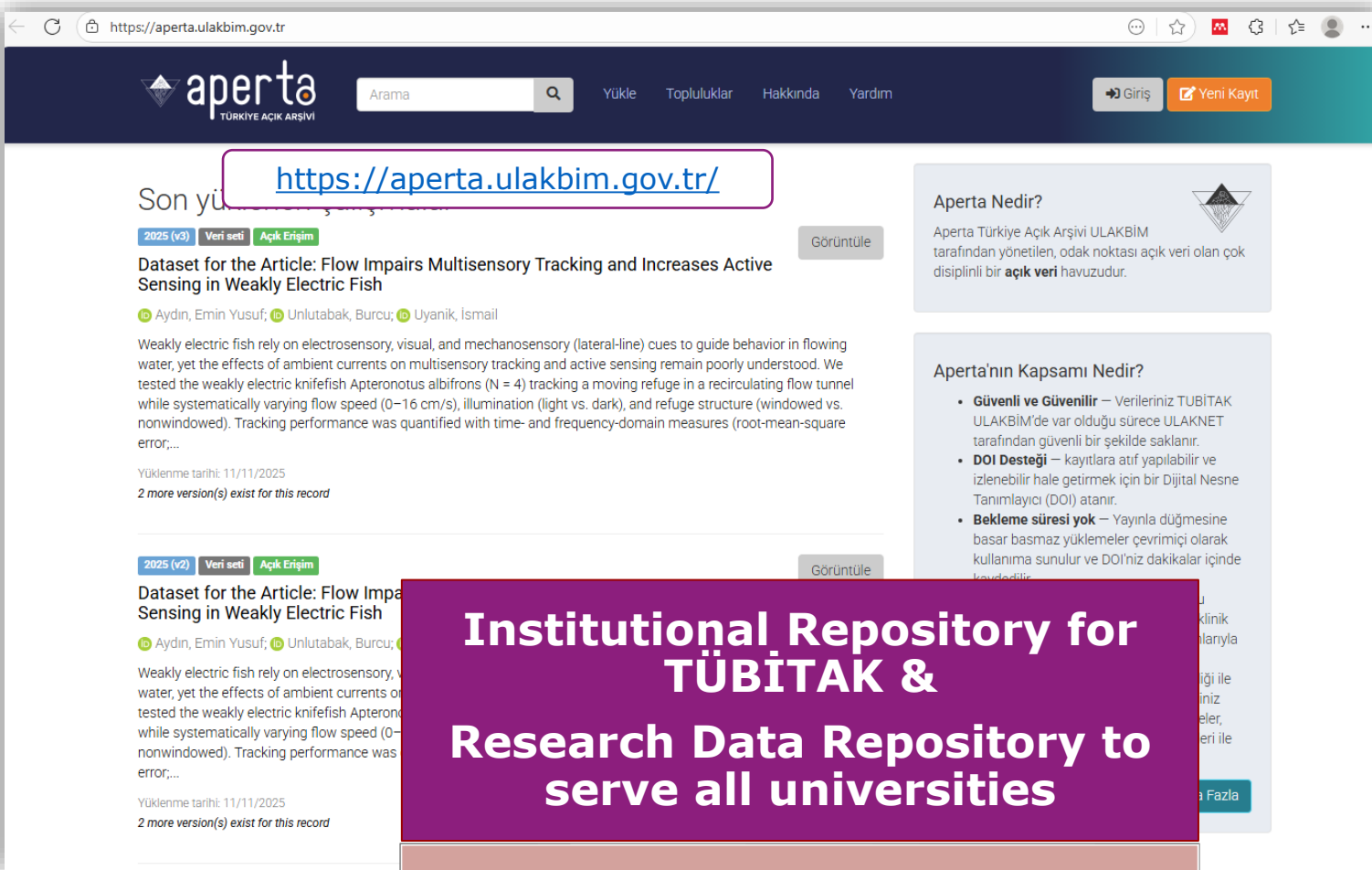
Açık Arşivinizdeki içeriğin uluslararası standartlarda harmanlanması ve erişilmesi için Harman'a katılın.

Harman'a katılacak Açık Arşivlerin:

- Yayın üst verilerinin standartlara uygun olması,
- Düzenli olarak güncellenmesi,
- Sorunsuz olarak çalışması

kurumların sorumluluğundadır.

Türkiye Open Archive: APERTA



The screenshot shows the APERTA website interface. At the top, there's a navigation bar with the APERTA logo, a search bar, and links for 'Yükle', 'Topluluklar', 'Hakkında', and 'Yardım'. Below the navigation bar, the main content area displays a dataset record. The record title is 'Dataset for the Article: Flow Impairs Multisensory Tracking and Increases Active Sensing in Weakly Electric Fish'. The authors listed are Aydın, Emin Yusuf; Unlutabak, Burcu; and Uyanik, Ismail. The record is dated 2025 (v3) and is marked as 'Veri seti' and 'Açık Erişim'. A purple box highlights the URL 'https://aperta.ulakbim.gov.tr/'. To the right of the record, there's a section titled 'Aperta Nedir?' and another titled 'Aperta'nın Kapsamı Nedir?'. The 'Aperta'nın Kapsamı Nedir?' section lists three bullet points: 'Güvenli ve Güvenilir', 'DOI Desteği', and 'Bekleme süresi yok'.

<https://aperta.ulakbim.gov.tr/>

Dataset for the Article: Flow Impairs Multisensory Tracking and Increases Active Sensing in Weakly Electric Fish

Aydın, Emin Yusuf; Unlutabak, Burcu; Uyanik, Ismail

Weakly electric fish rely on electrosensory, visual, and mechanosensory (lateral-line) cues to guide behavior in flowing water, yet the effects of ambient currents on multisensory tracking and active sensing remain poorly understood. We tested the weakly electric knife-fish *Apteronotus albifrons* (N = 4) tracking a moving refuge in a recirculating flow tunnel while systematically varying flow speed (0–16 cm/s), illumination (light vs. dark), and refuge structure (windowed vs. nonwindowed). Tracking performance was quantified with time- and frequency-domain measures (root-mean-square error;...

Yüklenme tarihi: 11/11/2025
2 more version(s) exist for this record

Aperta Nedir?

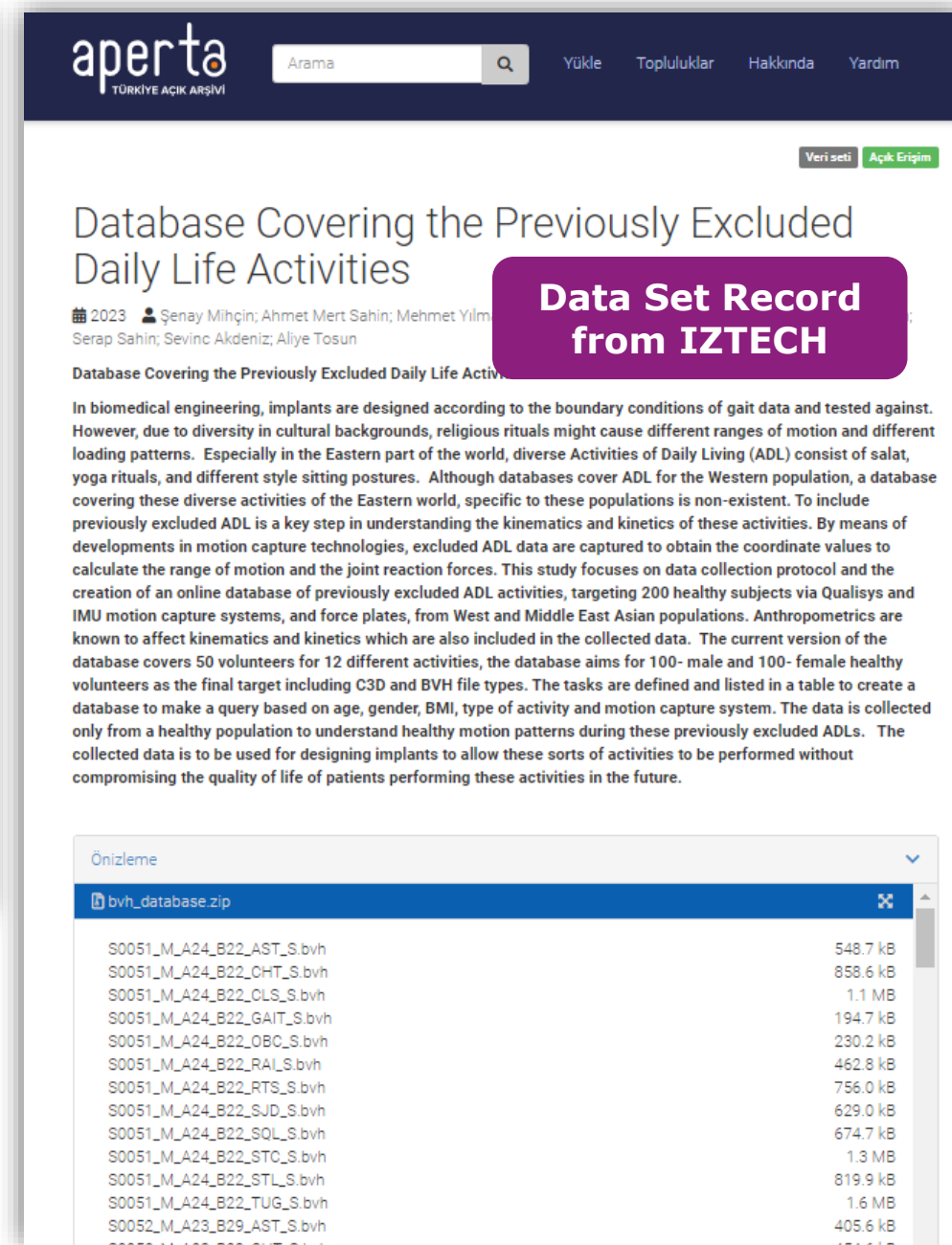
Aperta Türkiye Açık Arşivi ULAKBİM tarafından yönetilen, odak noktası açık veri olan çok disiplinli bir **açık veri** havuzudur.

Aperta'nın Kapsamı Nedir?

- **Güvenli ve Güvenilir** – Verileriniz TÜBİTAK ULAKBİM'de var olduğu sürece ULAKNET tarafından güvenli bir şekilde saklanır.
- **DOI Desteği** – kayıtlara atıf yapılabilir ve izlenebilir hale getirmek için bir Dijital Nesne Tanımlayıcı (DOI) atanır.
- **Bekleme süresi yok** – Yayınla düşmesine basar basmaz yüklemeler çevrimiçi olarak kullanıma sunulur ve DOI'niz dakikalar içinde **kuşatılır**.

**Institutional Repository for
TÜBİTAK &
Research Data Repository to
serve all universities**

**Provide open access to
scientific publications and
research data by adopting the
"TÜBİTAK Open Science
Policy."**



The screenshot shows the APERTA website interface. At the top, there's a navigation bar with the APERTA logo, a search bar, and links for 'Yükle', 'Topluluklar', 'Hakkında', and 'Yardım'. Below the navigation bar, the main content area displays a dataset record. The record title is 'Database Covering the Previously Excluded Daily Life Activities'. The authors listed are Şenay Mithçin; Ahmet Mert Sahin; Mehmet Yılmaz; Serap Sahin; Sevinc Akdeniz; Aliye Tosun. The record is dated 2023 and is marked as 'Veri seti' and 'Açık Erişim'. A purple box highlights the text 'Data Set Record from IZTECH'. To the right of the record, there's a section titled 'Database Covering the Previously Excluded Daily Life Activities'. The section text describes the database's purpose and the data it contains. Below the text, there's a table titled 'Önizleme' showing a list of files and their sizes.

Database Covering the Previously Excluded Daily Life Activities

Şenay Mithçin; Ahmet Mert Sahin; Mehmet Yılmaz; Serap Sahin; Sevinc Akdeniz; Aliye Tosun

Data Set Record from IZTECH

Database Covering the Previously Excluded Daily Life Activities

In biomedical engineering, implants are designed according to the boundary conditions of gait data and tested against. However, due to diversity in cultural backgrounds, religious rituals might cause different ranges of motion and different loading patterns. Especially in the Eastern part of the world, diverse Activities of Daily Living (ADL) consist of salat, yoga rituals, and different style sitting postures. Although databases cover ADL for the Western population, a database covering these diverse activities of the Eastern world, specific to these populations is non-existent. To include previously excluded ADL is a key step in understanding the kinematics and kinetics of these activities. By means of developments in motion capture technologies, excluded ADL data are captured to obtain the coordinate values to calculate the range of motion and the joint reaction forces. This study focuses on data collection protocol and the creation of an online database of previously excluded ADL activities, targeting 200 healthy subjects via Qualisys and IMU motion capture systems, and force plates, from West and Middle East Asian populations. Anthropometrics are known to affect kinematics and kinetics which are also included in the collected data. The current version of the database covers 50 volunteers for 12 different activities, the database aims for 100- male and 100- female healthy volunteers as the final target including C3D and BVH file types. The tasks are defined and listed in a table to create a database to make a query based on age, gender, BMI, type of activity and motion capture system. The data is collected only from a healthy population to understand healthy motion patterns during these previously excluded ADLs. The collected data is to be used for designing implants to allow these sorts of activities to be performed without compromising the quality of life of patients performing these activities in the future.

Önizleme

Önizleme	
bvh_database.zip	
S0051_M_A24_B22_AST_S.bvh	548.7 kB
S0051_M_A24_B22_CHT_S.bvh	858.6 kB
S0051_M_A24_B22_CLS_S.bvh	1.1 MB
S0051_M_A24_B22_GAIT_S.bvh	194.7 kB
S0051_M_A24_B22_OBC_S.bvh	230.2 kB
S0051_M_A24_B22_RALS.bvh	462.8 kB
S0051_M_A24_B22_RTS_S.bvh	756.0 kB
S0051_M_A24_B22_SJD_S.bvh	629.0 kB
S0051_M_A24_B22_SQL_S.bvh	674.7 kB
S0051_M_A24_B22_STC_S.bvh	1.3 MB
S0051_M_A24_B22_STL_S.bvh	819.9 kB
S0051_M_A24_B22_TUG_S.bvh	1.6 MB
S0052_M_A23_B29_AST_S.bvh	405.6 kB

Open Science Infrastructures of Türkiye- The Numbers

Harman
Türkiye Akademik Arşivi



4.874.044 Records
178 Institutions

<https://harman.ulakbim.gov.tr/>

 **COUNCIL OF HIGHER EDUCATION**
Thesis Center



953.499

<https://tez.yok.gov.tr/>

aperta
TÜRKİYE AÇIK ARŞİVİ



83.534

<https://aperta.ulakbim.gov.tr/>

DergiPark
AKADEMİK



773.569 Articles
3.005 Journal

<https://dergipark.org.tr/>

OpenAIRE	192 repository
OpenDOAR	188
ROAR	174
ROARMAP	117



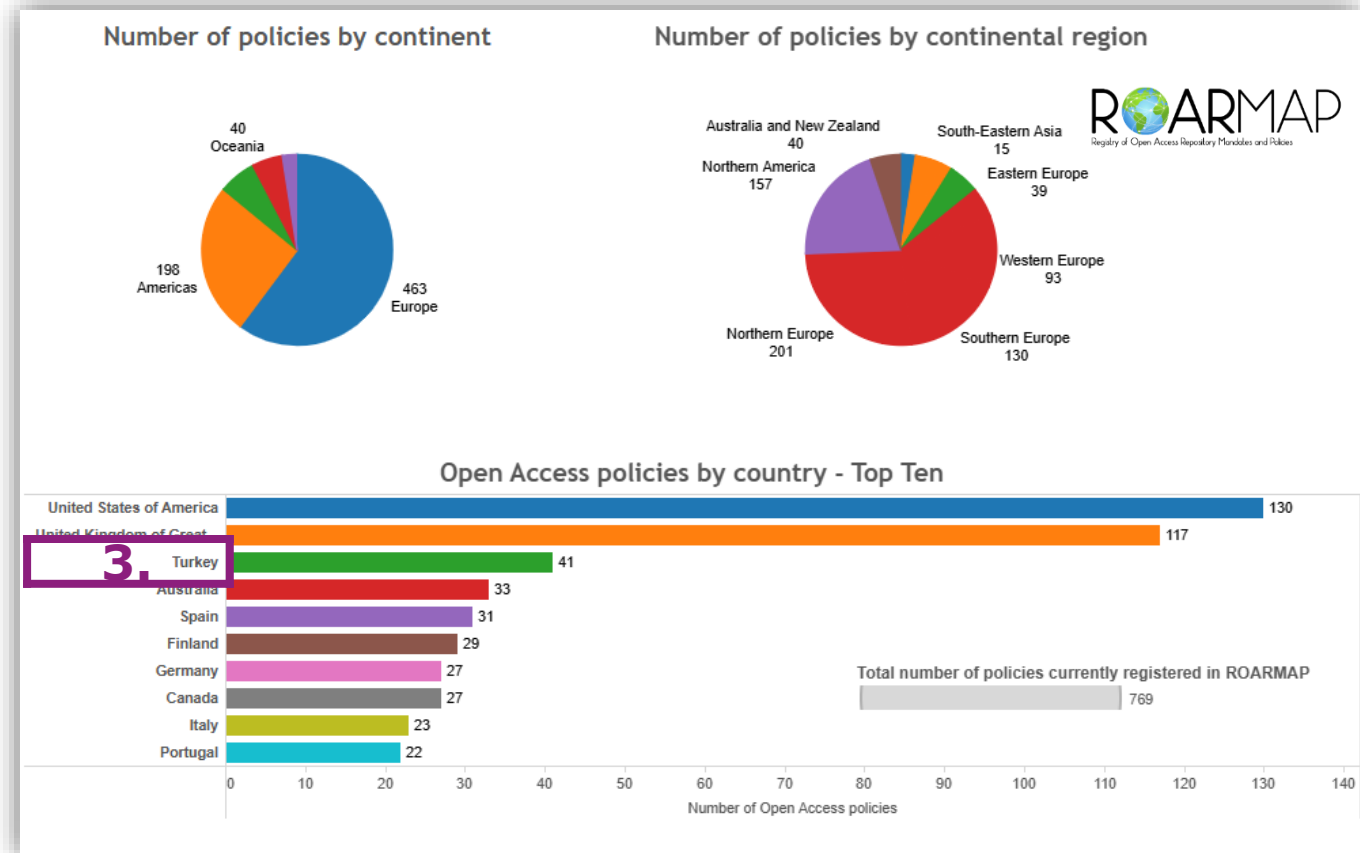
As of November 14, 2025 data

Repositories by Country

1.	United States of America (828)
2.	Japan (657)
3.	Germany (315)
4.	United Kingdom (279)
5.	Peru (204)
6.	Indonesia (194)
7.	Spain (191)
8.	Türkiye (188)

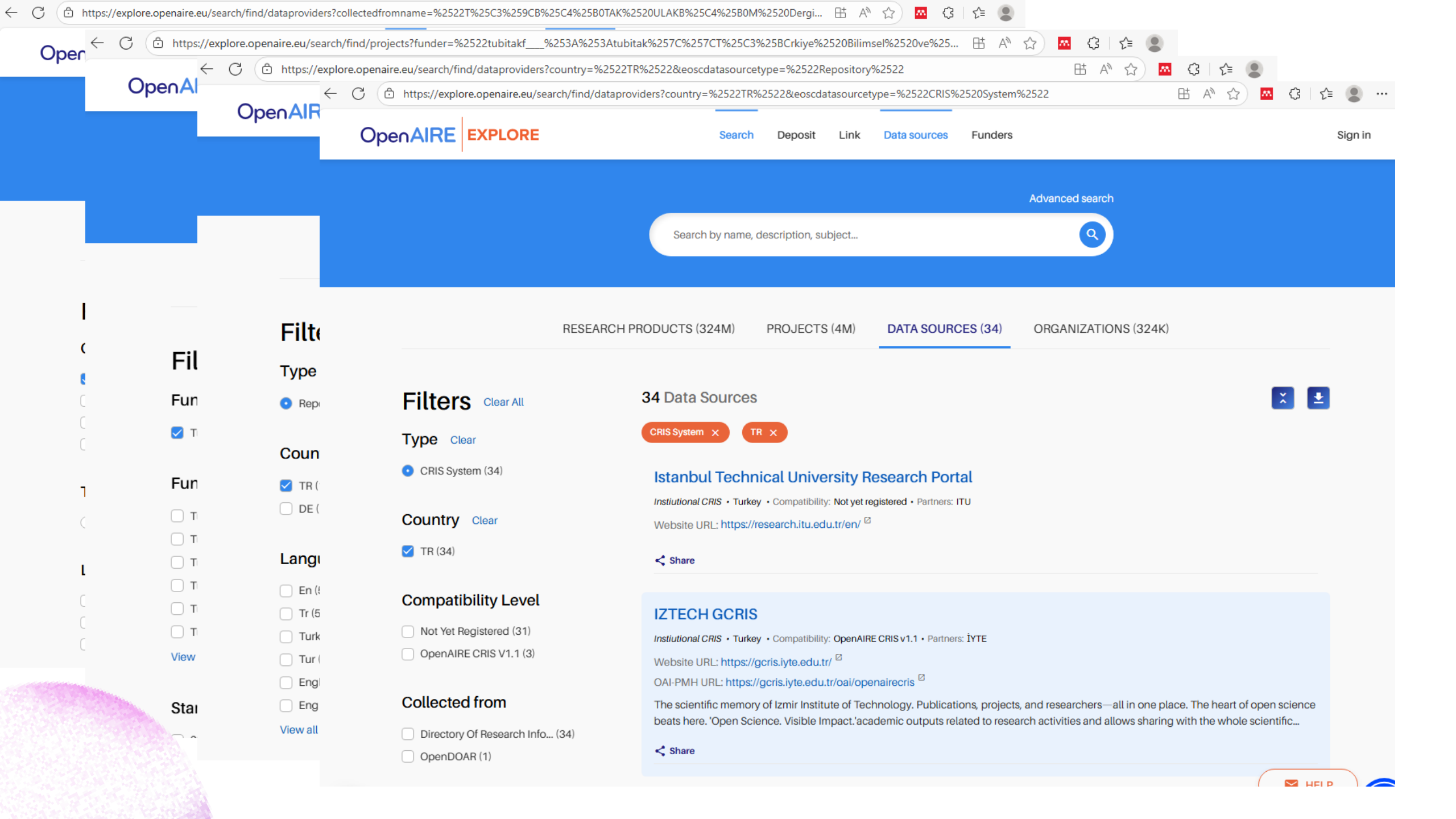
https://v2.sherpa.ac.uk/view/repository_by_country/

Policies by Country

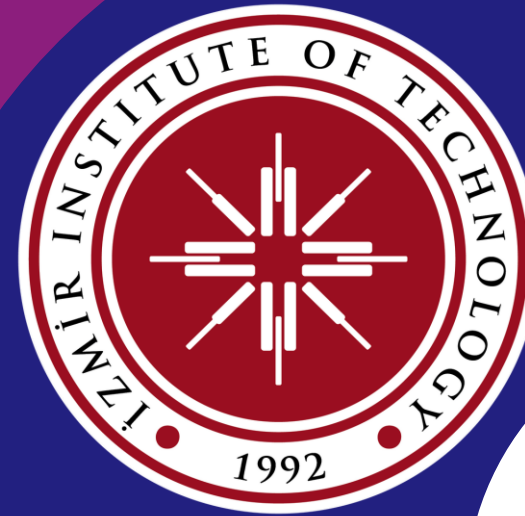


<https://roarmap.eprints.org/dataviz2.html>

Before Türkiye's participation in the OpenAIREPlus project in 2011, there were only 8 institutional repositories from Türkiye listed in DOAR in 2010, there were no Open Access or Open Science policy in place.

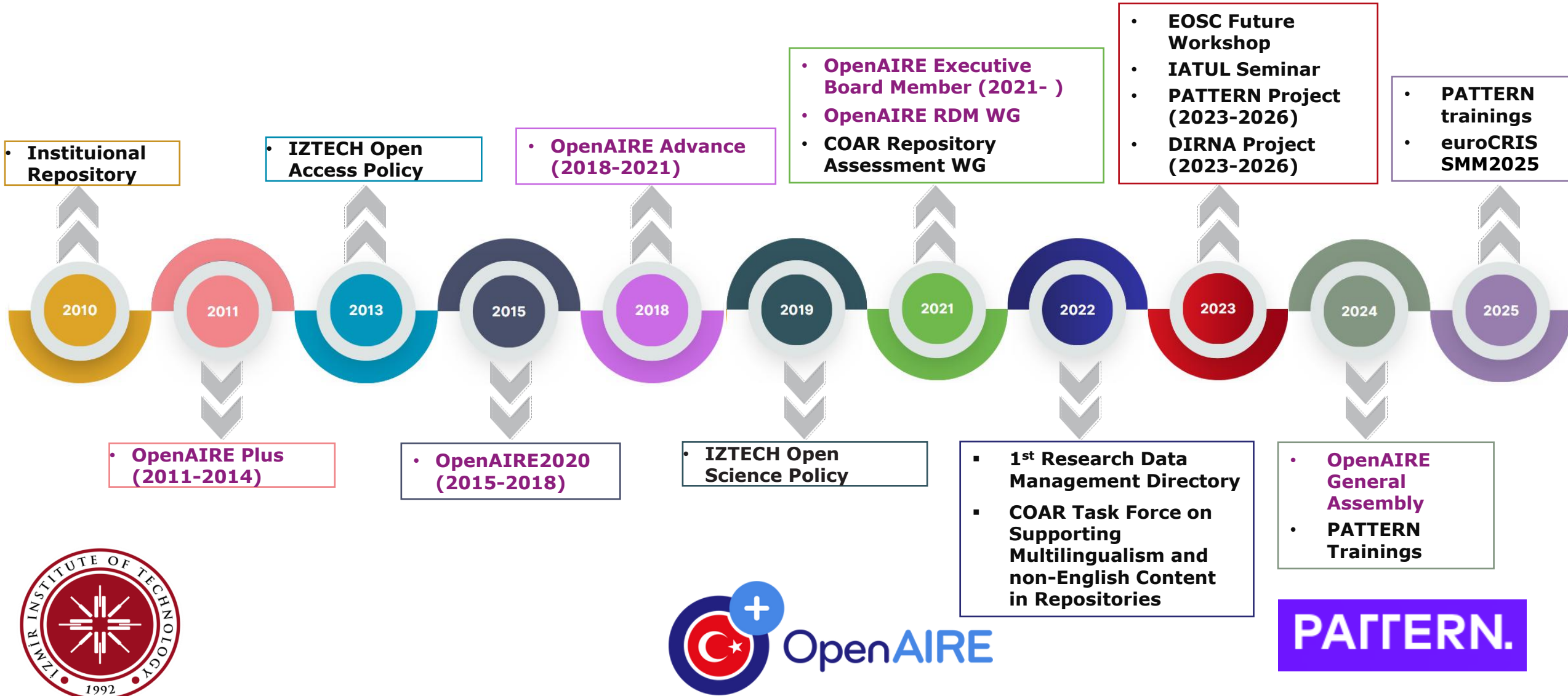


The Impact of OpenAIRE on Open Science Studies at IZTECH



IZTECH: Pioneer of Open Science in Türkiye

Open Science Movement in IZTECH: Milestones



IZTECH Open Access and Open Science Policies



2013

<https://hdl.handle.net/11147/7216>

Senato Karar Tarihi: 08.10.2013

İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ
AÇIK ERİŞİM POLİTİKASI

POLİTİKA BAŞLIĞI:

İzmir Yüksek Teknoloji Enstitüsü (İYTE) bünyesinde yapılan akademik çalışmalar için açık erişim, kurumsal arşivleme, uzun dönemli derleme ve dijital koruma.

BAĞLAM:

Özellikle ileri düzeyde eğitim-öğretim, araştırma, üretim, yayın ve danışmanlık yapmak üzere 1992 yılında kurulmuş olan İYTE, Türkiye Cumhuriyeti'nin çıkarlarına ve kalkınmasına hizmet edecek, sanayinin ve toplumun ihtiyaçlarına cevap verecek nitelikte eğitim vermeyi, araştırmalar yapmayı ve araştırma sonuçlarının mümkün olan en geniş çevrelere sunulmasını ilke edinmiştir. Bir devlet üniversitesi olarak İYTE, lisans ve lisansüstü seviyelerde; araştırmacı, yaratıcı ve girişimci, eleştirel düşünceye yatkın ve karar vermede özgür, ekip çalışmasında başarılı, kendi teknolojinin üretilmesine katkısı olacak, hammadde kaynaklarımızı değerlendirecek, katma değeri yüksek üretime önderlik edecek, kendi iş ortamını yaratacak bilim insanları, mühendisler, mimarlar ve planlar yetiştirerek ülkemize katkıda bulunmayı hedeflemekte ve bir araştırma üniversitesi olarak geniş kitlelere karşı taşıdığı sorumluluklarının önemini çok iyi bilmektedir.

IZTECH Open Access Policy

approved by IZTECH Senate on 08 October 2013.

the first Open Access Policy in Türkiye.

sent to other Turkish universities as a model policy by CoHE.

2019

<http://hdl.handle.net/11147/51>

Senato Karar Tarihi/Sayısı: 26.03.2019/2

İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ
AÇIK BİLİM POLİTİKASI

Bağlam

Özellikle ileri düzeyde eğitim-öğretim, araştırma, üretim, yayın ve danışmanlık yapmak üzere 1992 yılında kurulmuş olan İYTE, Türkiye Cumhuriyeti'nin çıkarlarına ve kalkınmasına hizmet edecek, sanayinin ve toplumun ihtiyaçlarına cevap verecek nitelikte eğitim vermeyi, araştırmalar yapmayı, araştırma verilerinin ve sonuçlarının mümkün olan en geniş çevrelere sunulmasını ilke edinmiş bir devlet üniversitesidir. İYTE, araştırmacılarına ait çalışmaların uygun formatlarda derlenmesi, uzun dönemli korunması ve en geniş şekilde erişime sunulabilmesi için bu Açık Bilim Politikasını oluşturmuştur.

Bu politikanın oluşturulmasında AB destekli OpenAIRE Advance projesi Açık Erişim/Açık Veri Politikası Hazırlama Rehberi, UNESCO Açık Erişim Politikası Geliştirme Rehberi, MedOANet ve PASTEUR4OA Politika Hazırlama Rehberi, LEARN projesi Modern Araştırma Verisi Yönetimi Politikası, SPARC Europe Açık Veri ve Açık Bilim Politikaları Avrupa Raporu, İYTE Açık Erişim Politikasından yararlanılmıştır.

IZTECH Open Science Policy

based on **OpenAIRE model Policy on Open Science for Research Performing Organisations (RPOs)**

approved by IZTECH Senate on 26 March 2019.

the first Open Science Policy in Türkiye, includes details on both publications and research data.

sent to other Turkish universities as a model policy by CoHE.

IZTECH Member of OpenAIRE

A strong network community across Europe



Meet our members

- ⌘ Athena Research and Innovation Center
- ⌘ Atlantic Technological University
- ⌘ Azerbaijan Technical University
- ⌘ Bar Ilan University
- ⌘ CERN - European Organization for Nuclear Research
- ⌘ CNR - National Research Council of Italy
- ⌘ CNRS - Centre National de la Recherche Scientifique
- ⌘ COUPERIN - Unified Consortium of Academic and Research Institutions for Access to Digital Publications
- ⌘ CVTISR - The Slovak Centre of Scientific and Technical Information
- ⌘ DANS - Data Archiving and Networked Services
- ⌘ eIFL.net
- ⌘ FECYT - Spanish Foundation for Science and Technology
- ⌘ Ghent University
- ⌘ Graz University of Technology
- ⌘ Hellenic Academic Libraries Link
- ⌘ Institute for Scientific and Technical Information – TECHINFORMI
- ⌘ Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
- ⌘ ISDI Information Society Development Institute
- ⌘ **IZTECH - Izmir Institute of Technology**
- ⌘ Jan IngenHousz Institute Foundation
- ⌘ JISC
- ⌘ Kaunas University of Technology
- ⌘ Masaryk University
- ⌘ National Academy of Sciences of the Republic of Armenia - Institute for Informatics and Automation Problems
- ⌘ National Library of Sweden
- ⌘ Rīga Stradiņš University

- ⌘ Ruđer Bošković Institute
- ⌘ Sikt - Norwegian Agency for Shared Services in Education and Research
- ⌘ Ss Cyril and Methodius University
- ⌘ TCD - Trinity College of Dublin
- ⌘ TU Dublin - Technological University Dublin
- ⌘ UEFISCDI - Executive Agency for Higher Education, Research, Development and Innovation Funding
- ⌘ UkrISTEI - State Scientific Organization Ukrainian Institute of Scientific Technical and Expertise and Information
- ⌘ University of Banja Luka
- ⌘ University of Belgrade
- ⌘ University of Cyprus
- ⌘ University of Debrecen
- ⌘ University of Göttingen
- ⌘ University of Helsinki
- ⌘ University of Konstanz - Communication, Information, Media Centre
- ⌘ University of Latvia
- ⌘ University of Lille
- ⌘ University of Ljubljana
- ⌘ University of Malta
- ⌘ University of Minho
- ⌘ University of Southern Denmark
- ⌘ University of Tartu
- ⌘ University of Vienna
- ⌘ University of Warsaw - Interdisciplinary Centre for Mathematical and Computational Modelling
- ⌘ University of Zurich
- ⌘ Vrije Universiteit Amsterdam

OpenAIRE projects

- OpenAIRE Plus (2011-2014)
- OpenAIRE2020 (2015-2018)
- OpenAIRE Advance (2018-2021)

Member of the OpenAIRE Executive Board (2021 – Ongoing)



Executive Board

The Executive Board is composed of eight experts in Open Science. Its role is to steer, evaluate and advance the implementation of the strategic directions of the OpenAIRE e-Infrastructure.

The chair of the Executive Board and General Assembly is Inge Van Nieuwerburgh.



Inge Van Nieuwerburgh (2022-2025)

Open Science Expert, Ghent University



Pauli Assinen

Head of Development, University of Helsinki



Eloy Rodrigues

Director of the University of Minho Libraries



Birgit Schmidt

Knowledge Commons Unit Head, Göttingen State and University Library



Gultekin Gurdal

Library Director, Izmir Institute of Technology



Michal Růžička

Head of the department of Data Security and Management, Computer Science, Masaryk



Judit Fazekas-Paragh

Head of Department Education and Research Support, University of Debrecen University and National Library



Yannis Ioannidis (2018-2021)

Professor, University of Athens / Affiliated researchers Athena Research Center



Elli Papadopoulou

Open Science Research Associate, Athena Research Center



Joeri Both

Vice Director, University Library of the Vrije Universiteit, Amsterdam

<https://www.openaire.eu/organisation>

<https://www.openaire.eu/amke-members>

Research Data Management (IZTECH)

OpenAIRE Research Data Management Working Group Membership

Members

Asger Vaering Larsen

Begüm Yavuz

Bojan Macan

Gerda Mcneil

Gintare Tautkeviciene

Gultekin Gurdal

Iryna Kuchma

Kotar, Mojca

Michal Ruzicka

Obrad Vuckovac

Peter Stanchev

Sanja Jurković

Stefanie Strebel

Susanne

Blumesberger

Száldobágyi Ádám

Theodora Kavvadia

Paola Cristina

Marinho Moura

Jiri Marek

Carina Raportaru

Ioana Trif

Michal Ruzicka

OpenAIRE Trainings



"Open Science Trainer (OpenAIRE)" badge!



Policy

- Türkiye's first Research Data Directory (2022)

<https://hdl.handle.net/11147/12515>



Support for Data Management Processes

- RDM guides and documents
- One-to-one support to researchers in all data management processes.

By doing so, we benefit from OpenAIRE's tools, including data anonymization and preparation of data management plans.



IZTECH-Hosted Featured Events Related to OpenAIRE



6. National Open Access Conference and OpenAIRE2020 Workshop, Izmir / 24-26 October 2017



7th National Open Science Conference and OpenAIRE Advance Workshop, Izmir / 19-20 November 2019



OpenAIRE Academic Archives Managers Control Panel and Its Benefits to Institutions, Online 20 May 2020



**EOSC Train the Traniner Workshop 2023
IZTECH, Izmir / 17-18 July 2023**



**OpenAIRE Anual Meeting
IZTECH, Izmir / 24-27 September 2024**



Ongoing IZTECH Library EU Projects



EU Project – 1 PATTERN

PATTERN

Piloting open and responsible Activities and Trainings Towards the Enhancement of Researchers Networks

PATTERN Aim

To promote the practice of **Open and Responsible Research and Innovation (Open RRI)** by developing and piloting training activities for researchers at all stages of their careers.

IN A NUTSHELL

PATTERN aims at promoting the practice of Open and Responsible Research and Innovation by developing and piloting training activities for researchers at all stages of their careers.

8

transferable skills on Open Responsible Research and Innovation

8

training modules

+100

training activities

14

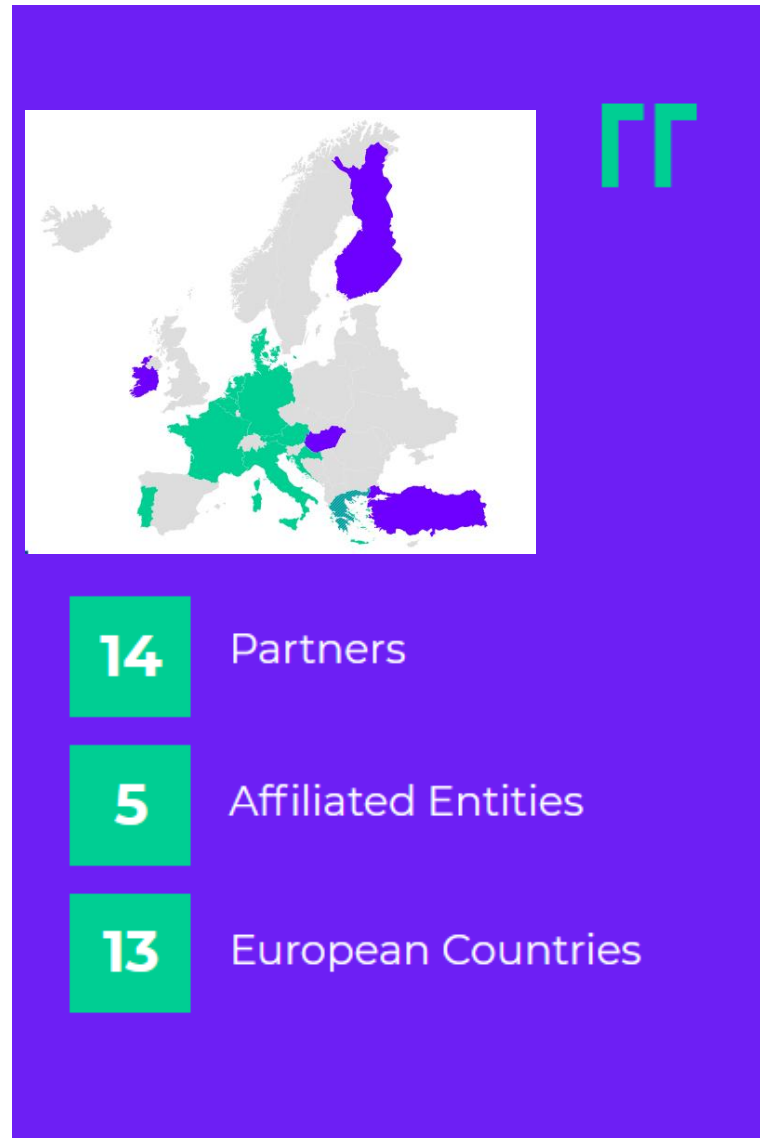
Higher Education Institutions testing PATTERN training

1

innovative PATTERN platform

8 TRAINING MODULES

- 1 Open Access
- 2 FAIR Data Management
- 3 Citizen Science
- 4 Research Integrity
- 5 Gender, non-discrimination and inclusion in research
- 6 Dissemination and Exploitation of results
- 7 Science Communication
- 8 Management and Leadership



PATTERN Trainings

PATTERN Project / IZTECH (01.01.2023 –30.06.2026)



FAIR RDM

Open Access

- Open Access publishing
- Empowering researchers
- Meeting funder requirements
- Trusted publishers for my research
- Mastering Open Peer Review
- Integrating Open Access Publishing into my research (PBL approach)
- Designing my research project Open Access strategy (PBL approach)

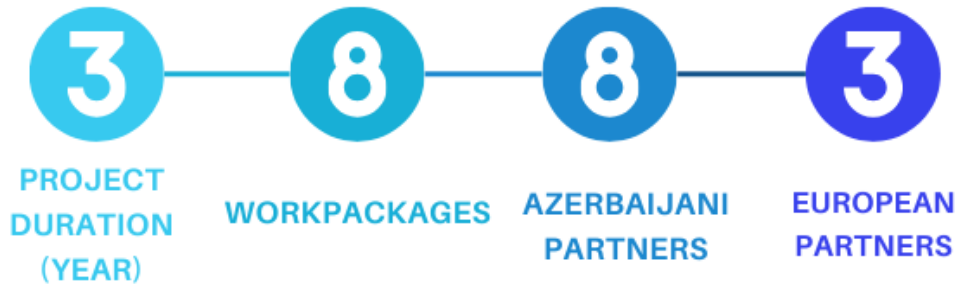
- Trusted publishers for my research: decoding good practices & overcoming predatory publishers | 06-08-11 November 2024 (54 participants)
- Planning for FAIR: Introduction to RDM and DMPs | 18 November 2024 (45 participants)
- IZTECH FAIR RDM Winter School | 24-26-28 February 2025 (81 participants)
- Empowering researchers: Retaining copyright and maximizing your impact in Open Access Publishing | 21 -30 April 2025 – (287 participants)
- IV. Publishing Summer School: Academic Publishing in the Digital Age: Open Access, Data Policies, and New Publishing Models | 29 August 2025 (30 participants)
- Trusted publishers for my research: Decoding good practices & overcoming predatory publishers | 20 October 2025 (76 participants)
- Meeting funder requirements: Navigating Open Access Publishing – TUBITAK example | 22 October 2025 (81 participants)
- Empowering researchers: Retaining copyright and maximizing your impact in Open Access Publishing | 23 October 2025 (82 participants)
- Research Data Management and FAIR Principles_Beginner Level | 21 October 2025 (44 participants)
- Research Data Management and FAIR Principles_Intermediate Level | 27 October 2025 (35 participants)
- Strengthening Research from Open Access to Data Management - 3 Regional Meetings (Ankara, İstanbul, İzmir) | 3 November, 9 and 16 December 2025 (nearly 135 participants)

Nearly 1,000 participants

EU Project 2: Developing Research Capacity in Azerbaijan



DEVELOPING RESEARCH CAPACITY THROUGH INSTITUTIONAL REPOSITORY NETWORK IN AZERBAIJAN [DIRNA]



<http://dirna.khazar.org/>

Period: 1 August 2023 – 31 July 2026

DIRNA Project

In partnership with 8 Azerbaijani Higher Education Institutions and 3 European Higher Education Institutions; It aims to develop capacity to manage research outputs by focusing on 8 Azerbaijani Higher Education Institutions.

- Khazar University;
- Baku State University, BSU;
- Azerbaijan Technical University;
- Academy of the State Customs Committee of the Republic of Azerbaijan (ASCCA);
- Ganja State University, GSU;
- Nakhchivan State University, NSU;
- Lankaran State University, LSU;
- Mingachavir State University, MSU.

- Università degli Studi dell'Aquila, UNIVAQ (Italy);
- University of Jyväskylä, JYU (Finland);
- Izmir Institute of Technology, IZTECH (Türkiye).

İzmir Study Tour: OpenAIRE Services and EOSC-Focused Training

Izmir Institute of Technology provided Open Science and Institutional Repositories Training to Azerbaijan Higher Education Institutions within the scope of the DIRNA Project

12/07/2023 Begum Yavuz Events, Projects

Within the scope of the DIRNA Project, Izmir Institute of Technology (IZTECH) hosted a study tour on November 15-17, 2023, with the participation of 16 people from 8 Azerbaijan HEIs. The aim of the study tour was to share information about Open Science and Institutional Repository practices at Izmir Institute of Technology and to support AZHEIs, in developing their own applications.



About DIRNA Project

The Establishment of Institutional Repository Network in Azerbaijan (DIRNA) Project is an Erasmus+ project in partnership with eight Azerbaijani Higher Education Institutions (HEIs) and three European HEIs for 2023-2026. The DIRNA project aims to build capacity to ensure the management of research outputs, focusing on eight leading Azerbaijani HEIs. DIRNA activities include reviewing the current status of research outputs management in the seven Azerbaijani Partner Institutions, assessing the drivers and barriers influencing Azerbaijani staff and students with regards to sharing their research outputs, developing tailored training to increase capacity among AZHEIs, research support staff for designing, implementing, operating, populating, and sustaining OAIRs.

Azerbaijan Partner Institutions: Baku State University, Technical University, Academy of the State Customs Committees of the Republic of Azerbaijan, Ganja State University, Nakhchivan State University, Lankaran State University, Mingachevir State University.

European Partner Institutions: University of Jyväskylä - Finland, Izmir Institute of Technology - Turkey, Università Degli Studi Dell'Aquila - Italy

İzmir Study Tour: Important Collaboration for Open Science

Since 2011, IZTECH, involved in all phases of OpenAIRE projects and has been serving as the OpenAIRE NOAD in Türkiye, is one of the leading institutions of Open Science studies in Türkiye. IZTECH, which has significant knowledge and experience in open science and institutional repositories, hosted the first of the Study Tours to be organized for European Partners within the scope of the DIRNA Project and provided training to Azerbaijan Partners for three days.

The training started with the opening speeches of IZTECH Library Director and OpenAIRE Executive Board Member Gültekin Gürdal and IZTECH Vice Rector Prof. Dr. Alper Baba. Participants were given information about IZTECH and the IZTECH library. Also, library and campus tours were organized.

In the three-day study tour, after an overview of Open Science, information about the development of open science in Türkiye and the world was given. In addition, the development processes of Institutional Repositories in Türkiye and IZTECH were explained. OpenAIRE services, which are critical for Open Science, were one of the important topics of the training. OpenAIRE services were introduced to the participants, and information was given about how they can benefit from them in open science practices. In addition, after the presentation, in which general information about the European Open Science Cloud (EOSC) was shared, the EOSC Portal was introduced to the participants.

During the study tour, all aspects of IZTECH Institutional Repository and Research Information System GCRIS, such as its features, technical infrastructure, administrator module, and data entry screens, were explained in detail, and practices were made. In the discussion session, where GCRIS developers also participated, questions about technical issues were answered. Thus, all important information about establishing an Institutional Repository Network in AZHEIs, which is the main purpose of the DIRNA project, was conveyed to the participants, and their questions were answered.

The importance of metadata quality, basic topics in research data management and COAR (Confederation of Open Access Repositories), Community Framework for Good Practices in Repositories presentations were also given to the participants. The study tour, which included intense and important issues, ended with a general evaluation.



<https://libguides.iyte.edu.tr/blogs/7221/23619>

Azerbaijan OpenAIRE Member

Cooperation of Türkiye and Azerbaijan OpenAIRE Noads

· scholarly communication, country highlights · Gultekin Gurdal · 04 Sep 2024



Azerbaijan

Data Last Updated: Jun 1, 2025

This information has been compiled by our National Open Access Desks



Khayalə Hacıyeva "E - kitabxana"
direktor
Azerbaijan Technical University



Azerbaijan
Khayala Hajiyeve
Azerbaijan Technical
University



Azerbaijan
İltifat İbrahimov
Azerbaijan Technical
University

Meet our members

- Athena Research and Innovation Center
- Azerbaijan Technical University
- CERN: European Organization for Nuclear Research
- CNR – National Research Council of Italy
- CNRS - Centre National de la Recherche Scientifique
- COUPERIN - Unified Consortium of Academic and Research Institutions for Access to Digital Publications
- CVTISR - The Slovak Centre of Scientific and Technical Information
- DANS - Data Archiving and Networked Services
- eIFL.net
- FECYT - Spanish Foundation for Science and Technology
- Ghent University
- Graz University of Technology
- Hellenic Academic Libraries Link
- Institute for Scientific and Technical Information – TECHINFORMI
- Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
- ISDI Information Society Development Institute
- IZTECH - Izmir Institute of Technology
- Jan Ingenhousz Institute Foundation
- JISC
- Kaunas University of Technology
- Masaryk University
- National Academy of Sciences of the Republic of Armenia - Institute for Informatics and Automation Problems
- National Library of Sweden
- Riga Stradiņš University
- Ruder Bošković Institute
- Sikt - Norwegian Research
- Ss Cyril and Meth
- TCD - Trinity College
- TU Dublin - Techn
- UEFISCDI - Executive Development and
- UkrISTEI - State Scientific Techn
- University of Banj
- University of Belg
- University of Cyp
- University of Debi
- University of Gött
- University of Hels
- University of Kon
- University of Latv
- University of Lille
- University of Ljub
- University of Malta
- University of Minho
- University of Southern
- University of Tartu
- University of Vienna
- University of Warsaw Computational Mod
- University of Zurich
- Vrije Universiteit Amsterdam



Summer Learning in Ganja

Türkiye & Azerbaijan OpenAIRE NOADs Join Forces



In addition to being partner universities in the project, IZTECH and AzTU also represented OpenAIRE as their countries' National Open Access Desks. IZTECH Library Director and OpenAIRE Board Member Gultekin Gurdal introduced the Azerbaijani NOADs, Khayala Hajiyeve and İltifat İbrahimov, to the audience. The representatives from Azerbaijan informed the participants about the planned future cooperation activities of the Türkiye and Azerbaijan NOADs to promote OpenAIRE services.

<https://www.openaire.eu/community/blogs/cooperation-of-turkiye-and-azerbaijan-openaire-noads>



Türkiye's First Research Information System: **GCRIS**



GCRIS

New Generation
Institutional
Repository

Research
Information
System

Decision
Support System



RESEARCH
ECOSYSTEMS



GCRIS

Log In

Communities Home Browse GCRIS Entities Statistics Overview GCRIS Guide

<https://gcris.iyte.edu.tr/>

IZTECH GCRIS Premium Database

The scientific memory of Izmir Institute of Technology. Publications, projects, and researchers—all in one place. The heart of open science beats here. 'Open Science. Visible Impact.'

Search the repository ...

Search

Scholarly Output
11882



Organisations
31



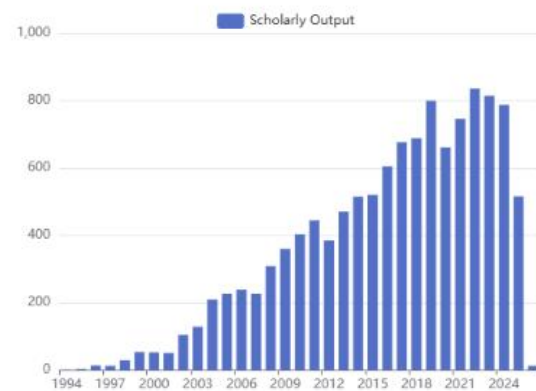
Current
Researchers
304



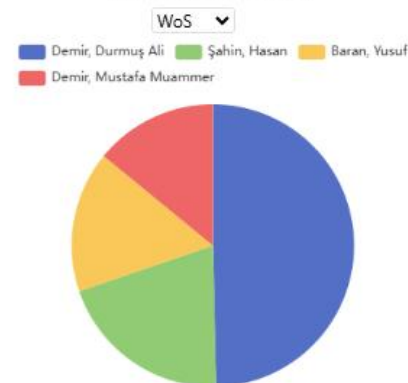
Projects
1353



Scholarly Output



WoS Citation Counts



tiếng Việt

ةيبرعلا

TRANSLATE

日本語

eesti

latviešu

italiano

Deutsch

বাংলা

polski

Dansk

Nederlands

ودرا

Translating COAR Controlled Vocabularies into Turkish



Turkish translation of the COAR Access Rights vocabulary (2015)

Review and translation of COAR Access Rights terms



Turkish translation of the Version Types vocabulary (2021)

Translation of COAR Version Types terms into Turkish.



Most recently, contribution to the translation of Resource Type 3.2 (2024)

Translations of Resource Type 3.2 and verification by experts in the application.



Collaboration and coordination with COAR

Voluntarily taking part in all COAR activities and announcing and disseminating the work in the national community.



GCRIS



Communities Home Browse GCRIS ▾ Entities ▾ Statistics Overview

IZTECH GCRIS
IZTECH GCRIS standard Database, which is a part of the IZTECH Research Ecosystem, is an Institutional repository at international standards that brings together and organises all kinds of academic and scientific world knowledge.

Search the repository ...

Scholarly Output
26



Organisations
8



Projects
1



Scholarly Output
(Articles, Books and Conference Proceedings)
 Scholarly Output

Citation Counts
(Citations Within Organization)
 Citation Counts

Scholarly Output Distribution
 Other

- By Issue Date
- By Author
- By Title
- By Subject
- By Type
- By Language
- By Department
- By Scopus Q
- By WoS Q
- By Project Funding
- By Access Right
- By Journal
- By Publication Category
- By COAR Access Rights Category
- By COAR Resource Type Category
- By Subject Category

Database
The IZTECH Research Ecosystem, is an Institutional repository at international standards that brings together and organises all kinds of academic and scientific world knowledge. It also covers all research outputs in IZTECH. It also covers all research activities and allows sharing with the whole research community.

Search



Browsing by COAR Resource Type Category

Select a subject to add as search filter

Filter results by typing the first few letters

Search Reset Add

- ☐ artistic work
- ☐ cartographic material
- ☐ collection
- ☐ dataset
- ☐ design
- ☐ image
- ☐ interactive resource
- ☐ knowledge organization system
- ☐ learning object
- ☐ other
- ☐ patent
- ☐ physical sample
- ☐ research instrument
- ☐ software
- ☐ sound
- ☒ text
 - ☐ annotation
 - ☐ bibliography
 - ☐ blog post
 - ☐ book
 - ☐ conference output
 - ☒ journal
 - ☐ editorial
 - ☒ journal article
 - ☐ letter to the editor
 - ☐ lecture
 - ☐ letter
 - ☐ magazine
 - ☐ manuscript
 - ☐ musical notation
 - ☐ newspaper
 - ☐ other periodical
 - ☐ preprint
 - ☐ report
 - ☐ research proposal
 - ☐ review
 - ☐ technical documentation
 - ☐ thesis
 - ☐ transcription
- ☐ trademark
- ☐ workflow

Load more...

Browse



Filters

Author

Subject

+

Date

+

Has files

+

Item Type

+

Type

-

☒ text:journal:journal article

Language

+

Department

+

Scopus Q

+

WoS Q

+

Access Right

+

Reset filters

All of GCRIS

Search the repository ...

Search

Type: text:journal:journal article x

Search Results

Now showing 1 - 10 of 13



Journal Article Citation - WoS: 6 Citation - Scopus: 7

Synthesis and characterization of novel high temperature structural adhesives based on nadic end capped MDA-BTDA-ODA copolyimide (Iop Publishing Ltd, 2018) Acar, Oktay; Varis, Serhat; Isik, Tugba; Tirkas, Seha; De... A series of novel copolyimide structural adhesives were synthesized using 4,4'-diaminodiphenyl-methane (MDA), 3,4'-oxydianiline (ODA) and 3,3',4,4'-benzophenonetetracarboxylic acid dianhydride (BTDA) as co-monomers, and nadic anhydride as...

Show more



Journal Article Citation - WoS: 2 Citation - Scopus: 2

A Domain-specific language for the document-based model-driven engineering of business applications (IEEE, 2022) Tuğlular, Tuğkan; Tuğlular, Tuğkan; 0000-0001-6797-3913 To facilitate the development of business applications, a domain-specific language (DSL), called DARC, is introduced in this paper. Business documents including the descriptions of the responsibilities, authorizations, and collaborations, are used as...

Show more



Journal Article Citation - WoS: 12 Citation - Scopus: 17

Triboluminescent electrospun mats with blue-green emission under mechanical force (American Chemical Society, 2017) Incel, Anil; Varlikli, Canan; McMillen, Colin D... Fibrous mechanosensing elements can provide information about the direction of crack propagation and the mechanism of material failure when they are homogeneously dispersed into the bulk volume of materials. A fabrication strategy of fib...

Show more

Journal Article Citation - WoS: 4 Citation - Scopus: 9

End-to-end security implementation for mobile devices using TLS proto...



Collections
Scopus Collection
WoS Collection
TRIZIN Collection
PubMed Collection

Entities
Research Outputs
Organizations
Researchers
Projects
Awards
Equipments
Events

About
Contact
GCRIS
Research Ecosystems
Feedback



Organisation: Izmir Institute of Technology

Name

Izmir Institute of Technology

Other Names

IZTECH, İYTE, İzmir Texnologiya İnstitutu, İzmir Tarsan Teknoloji Enstitüsü

Website

<https://iyte.edu.tr> ↗

ROR

<https://ror.org/03stptj97> ↗

Location

Izmir

Country

Turkey

Responsible Organisation

199

Contact for Responsible Organisation

Agents

- Begum Yavuz
- Gultekin Gurdal
- Aysen Binen

**IZTECH: As a contact point of COAR
International Repository Directory.**

2024

SIGNATORIES

Universities and other research performing organizations

- Izmir Institute of Technology (Turkey)



In Summary: OPENAIRE Effect in Türkiye



- Open Access and Open Science practices gained "tremendous momentum" in the country.
- Strengthening the community through training, guidance, and best practices.
- Accelerated growth of Institutional Repositories
- Promoting the development and adoption of new Open Science policies across Türkiye.
- Facilitation of integration into the European Research Area (ERA) and EOSC.
- Solidifying Türkiye's position as an active partner in the global research ecosystem.
- Being part of a large international network.
- Providing opportunities for new project partnerships.



Thank you!

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THE INTERNATIONAL ORGANISATION
FOR RESEARCH INFORMATION

Autumn 2025 Strategic Membership Meeting

Nov 25-27, 2025

İzmir, Türkiye