To Strengthen Institutional Repositories: GCRIS Platform and IZTECH Implementation

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Open Repositories (OR2023)
Stellenbosch, South Africa
June 12-15, 2023

İzmir Institute of Technology

https://en.iyte.edu.tr/

İZMİR

- "Izmir" probably derives from the former Greek name "Smyrna"
- 3500 years of recorded urban history.
- The Cond largest port and the third city in Türkiye.
- Population 4.455.294
- Mediterranean climate

IZTECH

- Founded in 1992 as a state university
- The only internationally distinguished advanced technical university in Türkiye
- Emphasis on education and research in science and technology
- The biggest campus area in İzmir

7069 Students
660 Academicians

Programs
18 undergraduate
30 master's
20 doctorate

17 Research and Application Center

159 International Students from **39** Countries

Education Language is **100%** English

Memberships in International Networks

Being part of the international community is very important…

euroCRIS

IATUL
International Association of University Libraries

HRS4R
Human Resources Strategy for Researchers

EUF EUROPEAN UNIVERSITY FOUNDATION

OpenAIRE

euraxess
RESEARCHERS IN MOTION

COAR
Confederation of Open Access Repositories

EERA
European Energy Research Alliance
Energy Storage

Crowdhelix

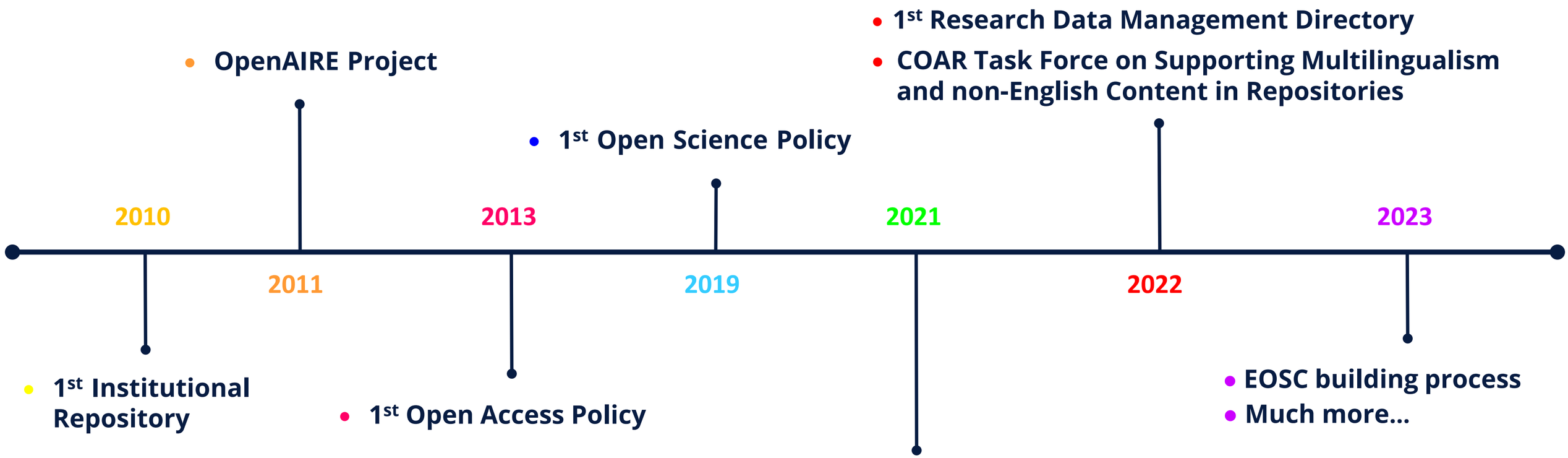
LIBER

MUNA Mediterranean and Middle East University Network Agreement

HR EXCELLENCE IN RESEARCH

eucunet
European Children's Universities Network

Pioneer of Open Science in Türkiye
Open Science Movement in IZTECH Milestones



WHY GCRIS ?

IZTECH we need a new generation Repository...

Because 1

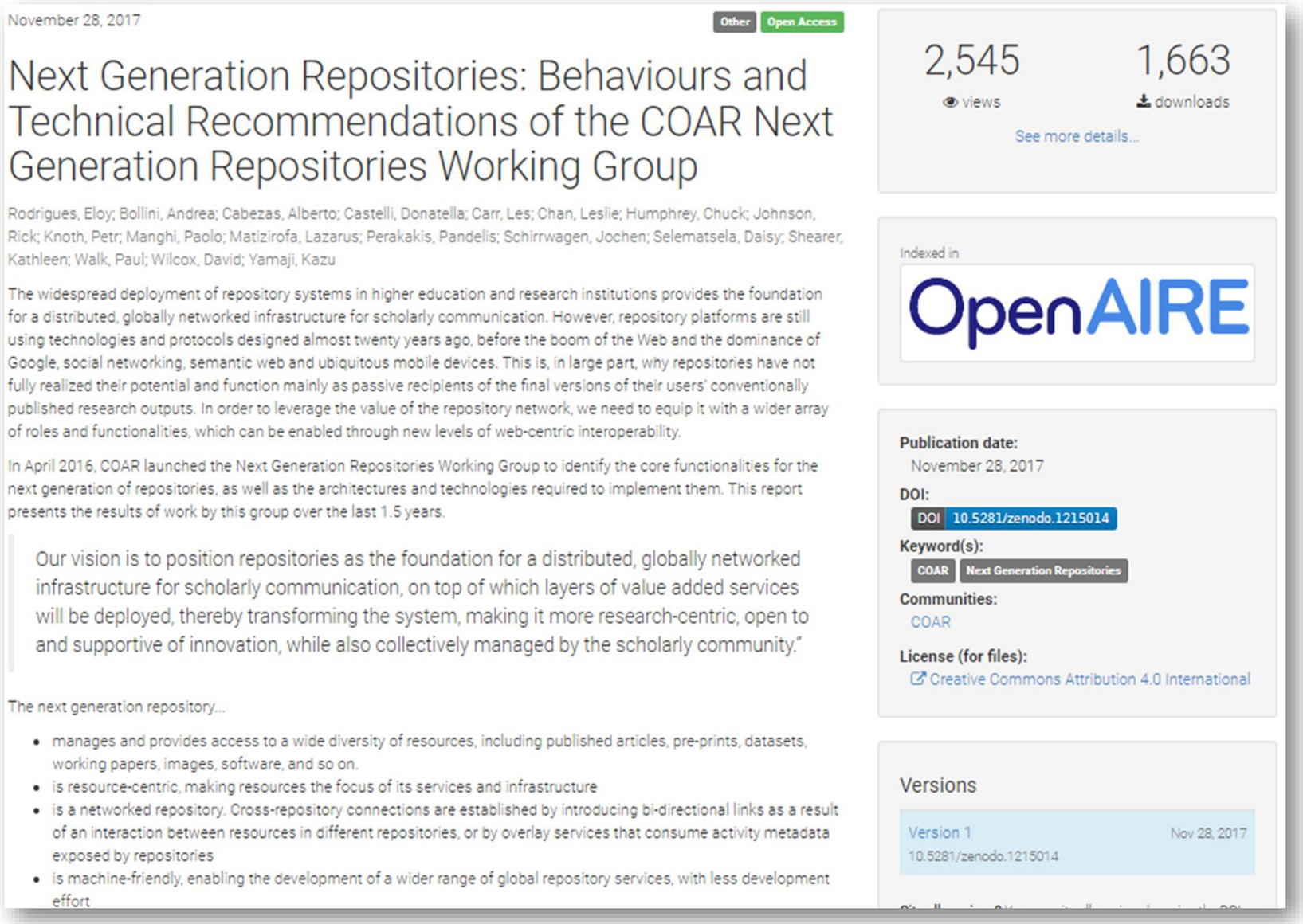
- DSpace was an institutional repository containing only publications.

Because 2

- It wasn't enough and interesting for researchers and institutional administration.

Because 3

- Our administration needed a decision support system.



November 28, 2017

Other Open Access

Next Generation Repositories: Behaviours and Technical Recommendations of the COAR Next Generation Repositories Working Group

Rodrigues, Eloy; Bollini, Andrea; Cabezas, Alberto; Castelli, Donatella; Carr, Les; Chan, Leslie; Humphrey, Chuck; Johnson, Rick; Knoth, Petr; Manghi, Paolo; Matizirofa, Lazarus; Perakakis, Pandelis; Schirrwagen, Jochen; Selematsela, Daisy; Shearer, Kathleen; Walk, Paul; Wilcox, David; Yamaji, Kazu

The widespread deployment of repository systems in higher education and research institutions provides the foundation for a distributed, globally networked infrastructure for scholarly communication. However, repository platforms are still using technologies and protocols designed almost twenty years ago, before the boom of the Web and the dominance of Google, social networking, semantic web and ubiquitous mobile devices. This is, in large part, why repositories have not fully realized their potential and function mainly as passive recipients of the final versions of their users' conventionally published research outputs. In order to leverage the value of the repository network, we need to equip it with a wider array of roles and functionalities, which can be enabled through new levels of web-centric interoperability.

In April 2016, COAR launched the Next Generation Repositories Working Group to identify the core functionalities for the next generation of repositories, as well as the architectures and technologies required to implement them. This report presents the results of work by this group over the last 1.5 years.

> Our vision is to position repositories as the foundation for a distributed, globally networked infrastructure for scholarly communication, on top of which layers of value added services will be deployed, thereby transforming the system, making it more research-centric, open to and supportive of innovation, while also collectively managed by the scholarly community."

The next generation repository...

- manages and provides access to a wide diversity of resources, including published articles, pre-prints, datasets, working papers, images, software, and so on.
- is resource-centric, making resources the focus of its services and infrastructure
- is a networked repository. Cross-repository connections are established by introducing bi-directional links as a result of an interaction between resources in different repositories, or by overlay services that consume activity metadata exposed by repositories
- is machine-friendly, enabling the development of a wider range of global repository services, with less development effort

2,545 views

1,663 downloads

See more details...

Indexed in OpenAIRE

Publication date:
November 28, 2017

DOI:
DOI 10.5281/zenodo.1215014

Keyword(s):
COAR Next Generation Repositories

Communities:
COAR

License (for files):
Creative Commons Attribution 4.0 International

Versions

Version 1 Nov 28, 2017
10.5281/zenodo.1215014

COAR

Next Generation Repositories recomendations

What to expect of the next generation Repositories...

- manages and provides access to a wide diversity of resources, including published articles, pre-prints, datasets, working papers, images, software, and so on.
- is resource-centric, making resources the focus of its services and infrastructure
- is a networked repository. Cross-repository connections are established by introducing bi-directional links as a result of an interaction between resources in different repositories, or by overlay services that consume activity metadata exposed by repositories
- is machine-friendly, enabling the development of a wider range of global repository services, with less development effort
- is active and supports versioning, commenting, updating and linking across resources

GCRIS Features and beyond...

- **Institutional Repository**

2. Research Information Systems

3. Decision Support System

New System Development

Collaboration

- The existing system did not meet our needs and a new system was designed.
- GCRIS is a RIS that was developed in Türkiye. IZTECH Management collaborated with Technopark company Research Ecosystems.
- GCRIS started to be developed as a result of the strategic cooperation agreement signed by the IZTECH Senate.
- IZTECH Library took a role in the development of the system with feedback.

GCRIS Development Process & Technical Features

- GCRIS is based on the DSpace-CRIS 6.3 platform.
- It was developed in response to the need for a RIS that met international standards.
- It is designed to be easy to use and maintain.
- It is scalable and can be easily adapted to the systems.
- GCRIS is a valuable tool for researchers, administrators, and policymakers.

GCRIS

GCRIS
Widening Your Research

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

RESEARCH ECOSYSTEMS

Publication
9846
Project
1082
Patent
17
GCRIS
Equipment
309
Dataset
4
Thesis
2628
Researcher
453
Award
176

Network Lab | Statistics | Bibliometrics | Email Alert | RSS Feed

Baran, Yusuf

Print

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Scopus Author ID	9636164400
WoS Researcher ID	F-8535-2012
Google Scholar	Google Scholar
YÖK Academic	YÖK Academic
Website	Web Site
Documents	CV
Status	Current Staff

Bibliometrics

Sustainable Development Goals Report Points

2 Zero Hunger: 2 Research Products	3 Good Health and Well-being: 17 Research Products	4 Quality Education: 1 Research Products	7 Affordable and Clean Energy: 1 Research Products	8 Decent Work and Economic Growth: 1 Research Products
9 Industry, Innovation and Infrastructure: 12 Research Products	12 Responsible Consumption and Production: 1 Research Products	13 Climate Action: 4 Research Products		

Scopus

Documents	Citations	h-index	Co-authors
98	3316	31	307

Google

Documents	Citations	h-index	i10-index	Co-authors
188	5491 / 3457 (All / Since 2016)	38 / 26 (All / Since 2016)	75 / 50 (All / Since 2016)	0

Citation Per Year

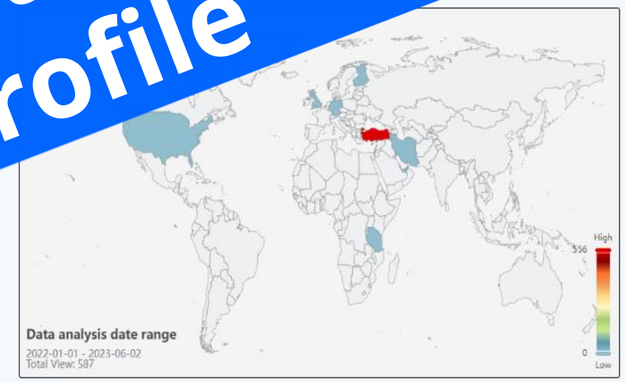
Interests

The numbers and metrics below are limited only to the scholarly outputs generated in this institute.

İYTE

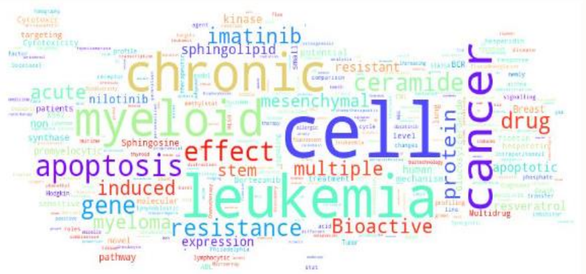
Scholarly Output	Citation Count	Field Wei...
154	2946	1.31

Researcher Profile



Publications
Supervised Theses
Projects
Affiliations
Educations
Biography
Competency Cloud
Research Interests
Awards

Competency Cloud



Please use this identifier to cite or link to this item: https://hdl.handle.net/11147/10764

Title:	Experimental data showing the thermal behavior of a flat roof with phase change material
Authors:	Tokuç, Ayça Başaran, Tahsin Yesügey, Sadık Cengiz Dokuz Eylül Üniversitesi Izmir Institute of Technology Dokuz Eylül Üniversitesi
Keywords:	Latent energy storage Phase change material Roof Thermal behavior Thermal energy storage
Issue Date:	Dec-2015
Publisher:	Elsevier
Source:	Tokuç, A., Başaran, T., and Yesügey, S.C. (2015). Experimental data showing the thermal behavior of a flat roof with phase change material. Data in Brief, 5, 476-480. doi:10.1016/j.dib.2015.09.019
Abstract:	The selection and configuration of building materials for optimal energy efficiency in a building require some assumptions and models for the thermal behavior of the utilized materials. Although the models for many materials can be considered acceptable for simulation and calculation purposes, the work for modeling the real time behavior of pl ge materials is still under development. The data given in this article shows th of a flat roof element with a phase change material (PCM) layer. The tem and taken from the building element are reported. In add PCM is tracked through images. The resulting thermal cussed and simulated in [1] A. Tokuç, T. Başaran, gation on the use of phase change bul, Build. Energy, vol. 102, 2015, pp.
URI:	
Appears in Collections:	iyonu / PubMed Indexed Publications Collection oleksiyonu / Scopus Indexed Publications Collection sets WoS Indexed Yayınlar Koleksiyonu / WoS Indexed Publications Collection

SCOPUS™ Citations
2
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WEB OF SCIENCE™ Citations
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101,292
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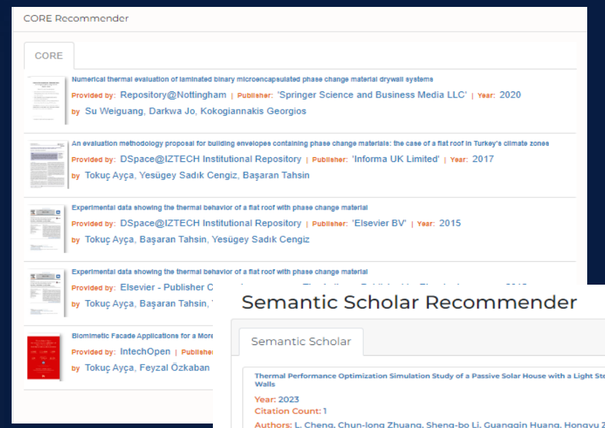
Download(s)
183,802
checked on May 8, 2023

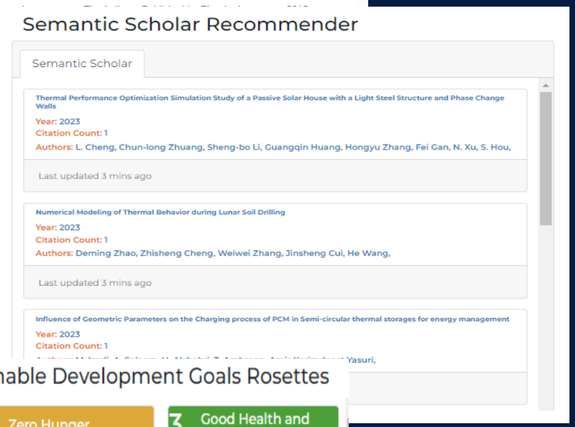
Google Scholar™ Check

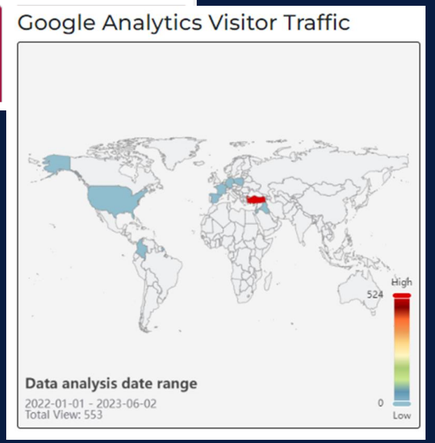
Citation Count
2

SEMANTIC SCHOLAR
Citation Count
3

Data Paper articles







GCRIS: Researcher Analytics

Overall Research Performance

Baran, Yusuf

İYTE

Print

154 Scholarly Output	88 Journal Articles	2946 Citations	633.3K/169.4K View / Download
29 H-Index	55 I10-Index	1.31 Field Weighted Citation Impact	1.75 Average Prestige Per Publication
12 Supervised MScTheses	3 Supervised PhDTheses	0 Patents	9 Projects
19.13 Citations per Publication	52 Distinct Journals	48 Distinct Journal Categories	₺920.847 0 € Total Funding
145 Open Access Count			

tion and index related metrics Scopus data were used to calculate.

Publications
Supervised Theses
Projects
Affiliations
Educations
Biography
Competency Cloud
Research Interests
Awards

Articles (86) | Conferences (60) | Book / Book Chapters (1) | Others (4)

Publications

#	Issue Date	Title	Author(s)	Q Dist.	Cited
1	2014	Bioactive, functional and edible film-forming properties of isolated hazelnut (Corylus avellana L.) meal proteins	Aydemir, Levent Yurdaer; Adan Gökbulut, Aysun; Baran, Yusuf; et. all.	Q1	45
2	2016	Molecular mechanisms of drug resistance and its reversal in cancer	Kartal Yandım, Melis; Adan Gökbulut, Aysun; Baran, Yusuf;	Q1	214
3	2015	Revealing genome-wide mRNA and microRNA expression patterns in leukemic cells highlighted "hsa-miR-2278" as a tumor suppressor for regain of chemotherapeutic imatinib response due to targeting STAT5A	Tezcanlı Kaymaz, Burçin; Selvi Günel, Nur; Ceyhan, Metin; et. all.	Q1	22
4	2010	Nilotinib significantly induces apoptosis in imatinib resistant K562 cells with wild-type BCR-ABL, as effectively as in parental sensitive counterparts	Ekiz, Hüseyin Atakan; Can, Geylani; Gündüz, Ufuk; et. all.	Q1	7

Journals

Print | Export CSV

Journal	Count
Haematologica	34
Leukemia Research	9
Hematology	8
Tumor Biology	6
EJC Supplements	5
Leukemia and Lymphoma	4
Biomedicine and Pharmacotherapy	4
Journal of Cancer Research and Clinical Oncology	4
Critical Reviews in Biotechnology	3
Archives of Medical Research	3

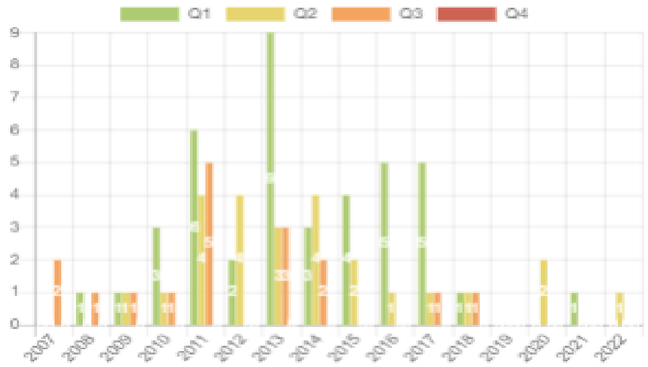
1 2 3 4 5 > >>

Scholarly Output

Print

Q Distribution

Print



GCRIS:
Organization Units Analytics

Organizational Unit Overview Report

03.04. Department of Computer Engineering

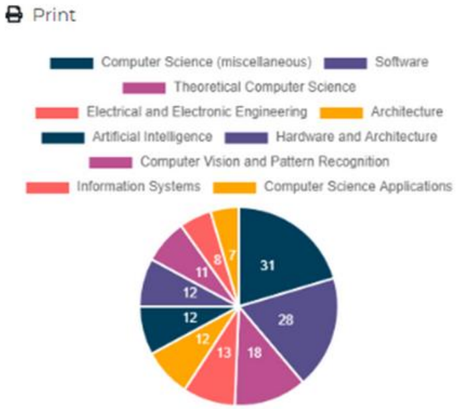
Overall Performance

Print

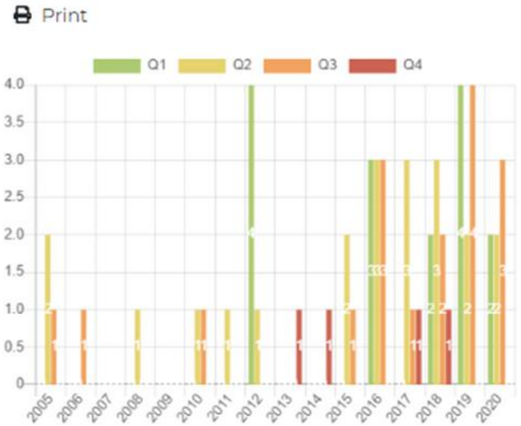
374 Scholarly Output	115 Journal Articles	1295 CitationsCitations	983.4K/207.2K View / Download
18 H-Index	34 I10-Index	0.94 Field Weighted Citation Impact	0.57 Average Prestige Per Publication
155 Supervised MScTheses	10 Supervised PhDTheses	4 Patents	24 Projects
3.46 Citations per Publication	299 Open Access Source	₺4.757.525 0 € Total Funding	

* Atıf ve indeksle ilişkili metrikler Scopus verilerinden hesaplanmaktadır.

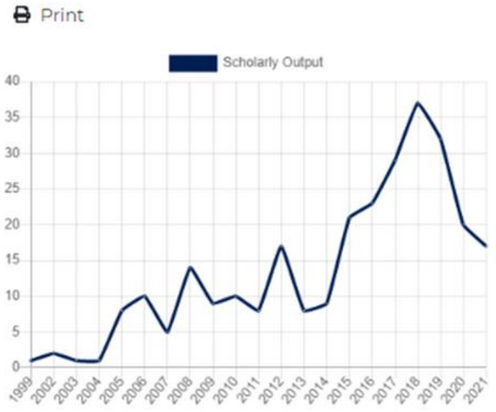
Publications by Subject Area



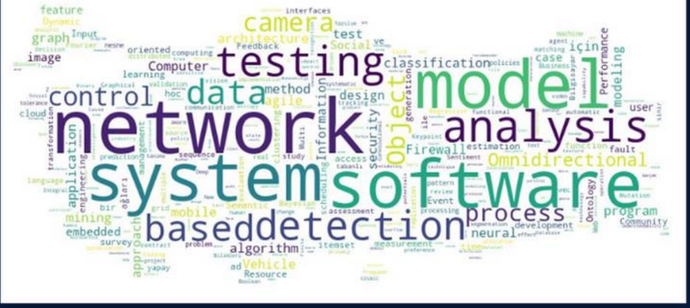
Q Distribution



Scholarly Output



Competency Cloud



GCRIS:
Dashboard Reports

Researcher Dashboard Reports

Export as CSV | Print | Copy URL

Parameters:

Articles x | WoS Citation Count x | Scopus citation Count x | Q1 Distribution x

Year Range: 2018 – 2023

Refresh

#	Id	Name	Department	Articles	Q1 Distribution	WoS Citation Count	Scopus citation Count
1	rp00064	Şahin, Hasan	04.04. Department of Photonics	60	50	3406	3720
2	rp00122	Demir, Mustafa Muammer	03.09. Department of Materials Science and Engineering	50	31	2529	2874
3	rp00082	Baba, Alper	03.03. Department of Civil Engineering	47	22	858	1039
4	rp00609	Yağmurcukardeş, Mehmet	04.04. Department of Photonics	34	28	908	997
5	rp00036	Bedir, Erdal	03.01. Department of Bioengineering	33	29	223	261
	rp01781	Gören, Ayşegül	03.07. Department of	31	18	168	260

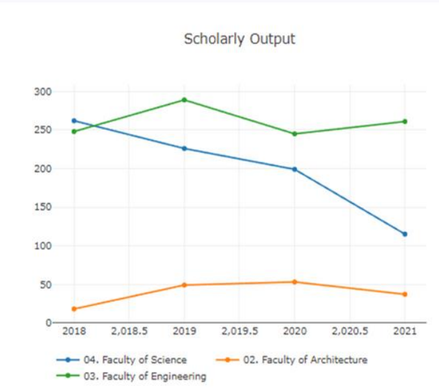
Organization Charts

Parameter: Scholarly Output

Organizations: 04. Faculty of Science x | 02. Faculty of Architecture x | 03. Faculty of Engineering x

Year Range: 2018 – 2022

Refresh



#	Organization	Parameter	Total Count
1	01. Izmir Institute of Technology	Scholarly Output	802
2	02. Faculty of Architecture	Scholarly Output	157
3	02.01. Department of Architectural Restoration	Scholarly Output	1043

Institutions in Türkiye using GCRIS

GCRIS Outlook

Upgrade to DSpace CRIS 7.0

ORCID Integration

Much more AI & Machine learning

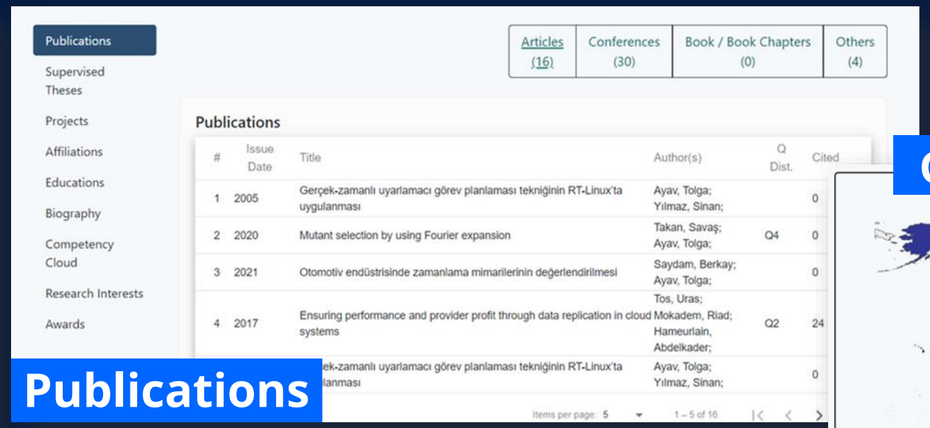
The new interface

new design, dspace-angular and more friendly use...

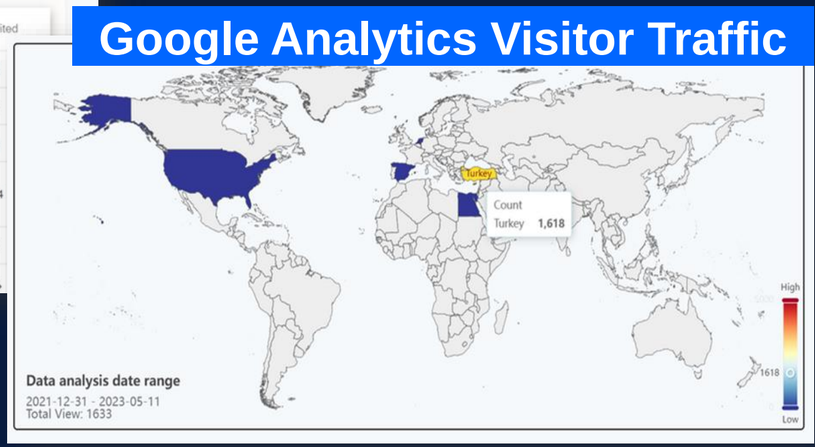
Home Page

Bibliometrics SDGs

Google Scholar Bibliometrics



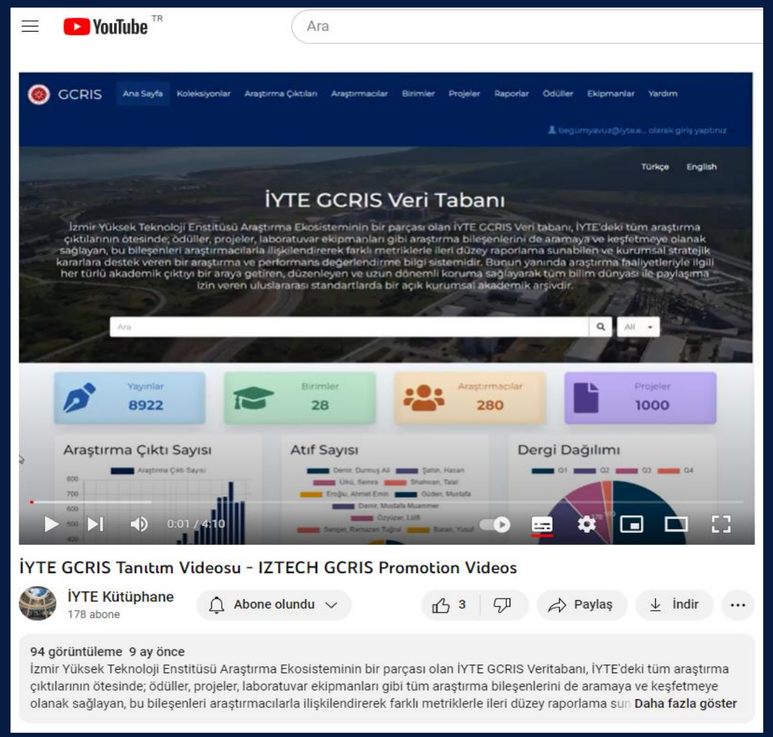
Publications



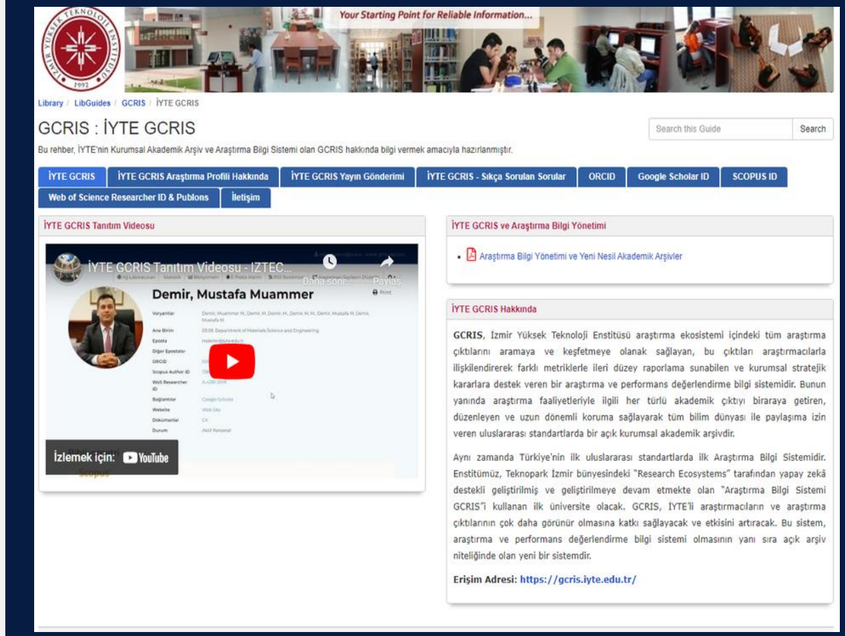
Google Analytics Visitor Traffic

IZTECH IMPLEMENTATION

Awareness of the New System

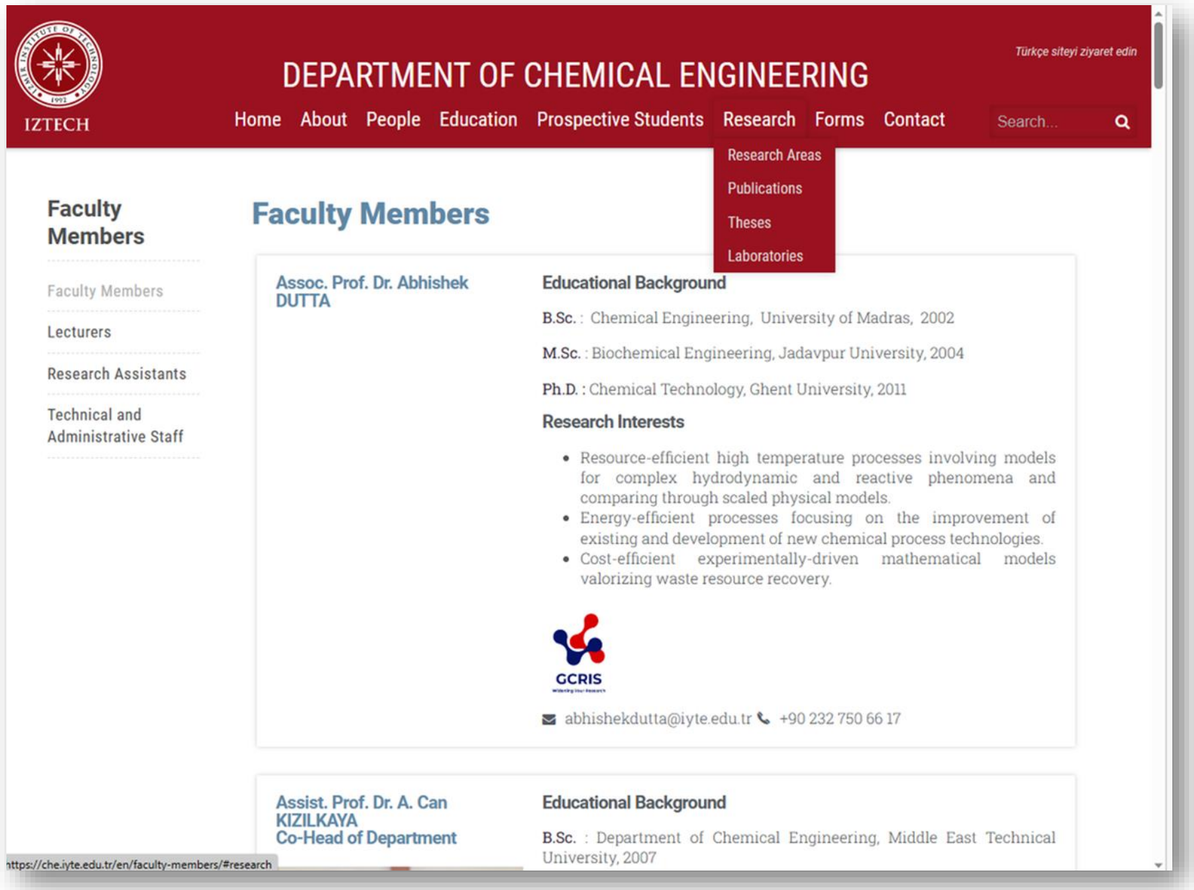


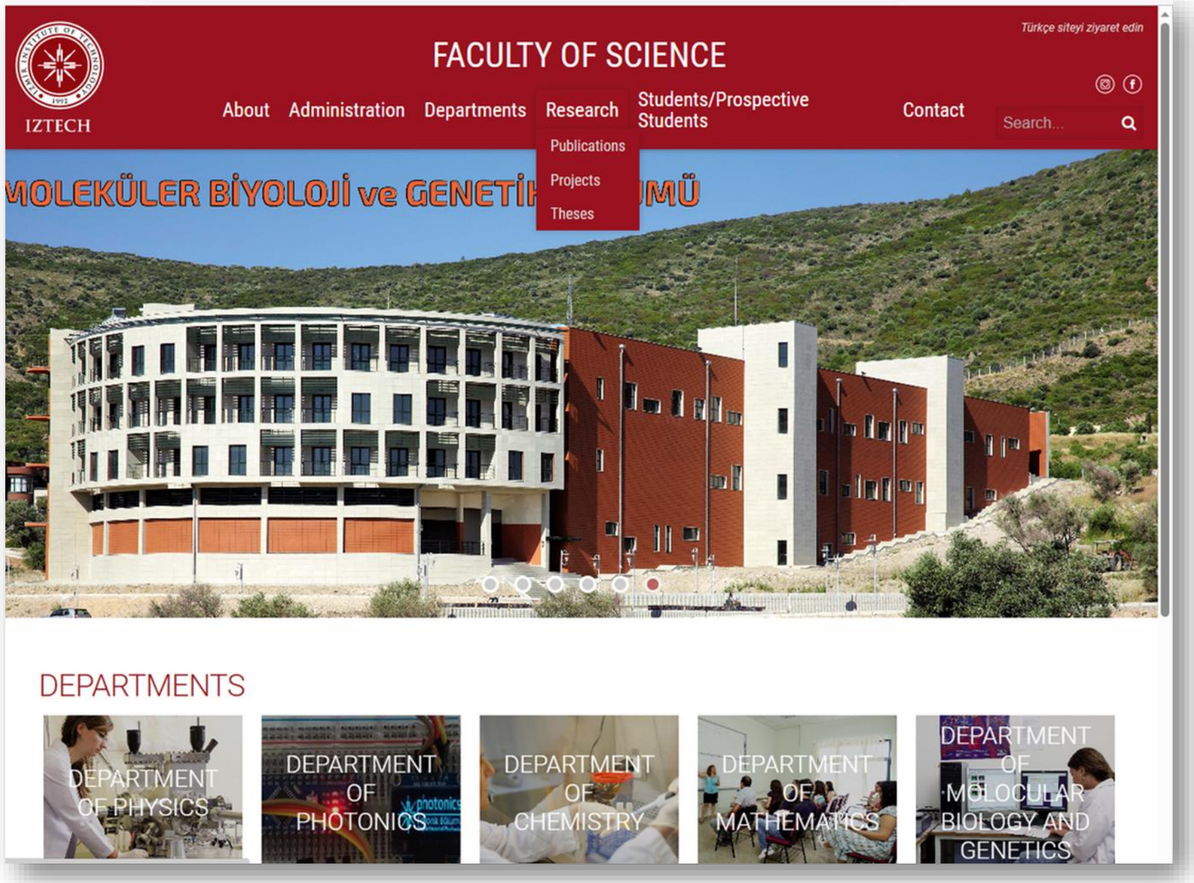
- Vice Rector and Deans focus group (established 2021)
- Departments presentations
- GCRIS video and guide



Dissemination Efforts

Faculty and Department Web Pages





BENEFITS

Benefits of migrating to GCRIS

- Increased visibility for the institution's publications, researchers, and departments (by monitoring the number of citations, downloads. etc.)
- Monitoring and track all the research outputs
- Automatically update researchers' profiles with the most recent publications, which reduces the administrative burden on the researcher, allowing them to concentrate on their work
- Support the institution fulfill its reporting obligations
- Provide business intelligence for the institution and assist in the development of its strategies

Conclusion

1

GCRIS is a valuable tool for our institution.

2

GCRIS helps our institution to improve its research performance and visibility.

3

GCRIS is a key part of the IZTECH research ecosystem.

4

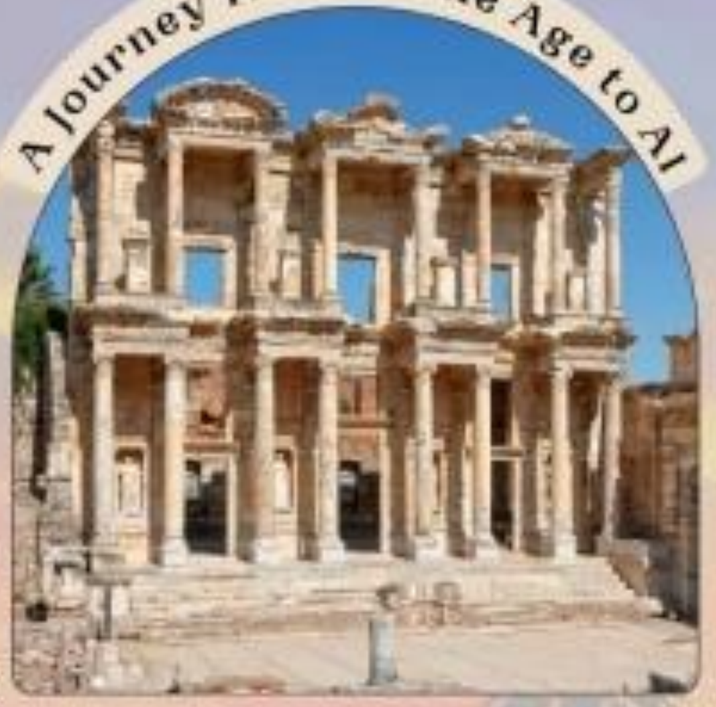
GCRIS is a valuable tool for researchers, administrators, and policymakers.

Libraries as Transformers

IATUL FALL SEMINAR 2023

Save the Date

4-7 September 2023
İzmir, Türkiye



New Technologies and Best Practices
Ranking of University Libraries
Transformative Agreements
Publishing Models

Artificial Intelligence and Libraries
Research Assessment & Impact
Research Data Management
Open Science & EOSC

IATUL
International Association of University Libraries

Seminar Website:
https//libguides.iyte.edu.tr/iatulfall2023

Thank you!

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