

## OR2023 Presentation Submission

18<sup>th</sup> International Open Repositories Conference, 12-15 June 2023 Stellenbosch, South Africa

A reminder that the theme for OR2023 is “Repositories Unlocked for Discovery and Interoperability”. The OR2023 conference will focus on the practices of the international repositories community to develop and implement the standards, frameworks, architectures, and methodologies for open repositories to serve as knowledge representation databases for the structured web of data. See the Call for Proposals for more detail on the themes. You will be asked to select a sub-theme at the time of submission.

## To Strengthen Institutional Repositories: GCRIS Platform and IZTECH Implementation

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### Abstract

Institutional repositories should carry the features of research information (RIS) and a performance evaluation system in addition to the existing features of IR. This provides a holistic perspective of institutions to their research ecosystems. IZTECH, believing in the transformation and development of IRs, started using GCRIS, Turkey's first and only IR and RIS at international standards, in 2021.

Research outputs such as projects, awards, preprint publications, patents, and laboratory equipment have been added to the system, so IR content has been enriched, and all components in the research ecosystem have been made accessible. Everyone has equal access to all components through the technology and infrastructure facilities it uses. Thus, new collaborations, projects, and funding opportunities were created by increasing the institutions' and researchers' visibility. Studies are carried out to increase the research quality of the institution with the department and researcher-based academic performance evaluation system and advanced reports.

As a result of the promotion and awareness visits made within the departments, the system received significant attention and support. Researchers started using the system actively, which has also been the primary source of strategic decision support for the university administration.

### Keywords

*Institutional repositories, Research information systems, Performance evaluation systems, Discoverability, Integration, Current research information systems*

### Audience

*Repository managers, data stewards, librarians, researchers, and developers.*

### Proposal

Institutional Repositories (IR) form the basis of scientific communication. It is essential in collecting, protecting, and making accessible the academic outputs produced within the institution. However, these features still need to be improved. The new generation repositories working group of COAR (Confederation of Open Access Repositories) determined the features the new generation IR should have in its report

prepared in 2020. In addition to the existing features of IR, it should also carry the features of research information and a performance evaluation system. This provides a holistic perspective of institutions to their research ecosystems.

IZTECH is now the most influential advocate of open science in Turkey. The Institute is leading the studies on Open Access and Open Science with the first approved policies and practices in Turkey by closely following the studies worldwide.

IZTECH, which started IR studies for the first time in 2009, developed GCRIS in cooperation with the Research Ecosystems company established in Technopark İzmir. It started to be used actively in 2021. With GCRIS, Turkey's first and only IR and research information system at international standards, significant gains have been achieved.

The content of our IR, which covers all outputs in the research ecosystem, has been enriched. Thus, publications and all research components such as projects, patents, awards, preprint publications, researcher profiles and laboratory equipment were accessible. The diversity in its content has enabled it to produce reports with different metrics.

The technology and infrastructure features it uses have increased the institution's and researchers' discoverability and impact. In addition, all components in the institution are blended by significant domestic and foreign blending systems. This ease of access has allowed everyone to benefit equally from IZTECH's research informations. This means finding new cooperation opportunities, projects, and funding sources.

A researcher profile with all information about their research was created for each researcher. So, we started doing bibliometric analysis, monitoring and comparing the progress and performance of all departments and researchers. Its scope is to provide researchers, managers and administrators, funders and decision-makers with a solid knowledge of the research activities, their outputs and results to inform institutional strategies.

All our studies and system features were introduced by visiting all departments with the vice-rector responsible for research. Researchers' attention was drawn, and awareness was created. As a result of the studies, the researchers started to keep their profiles up-to-date and report their new and missing publications. The new system received complete support from the university administration and became an essential resource for strategic decision-making about research.

As a result, our institute has gained a holistic perspective on the research ecosystem.

## **References**

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