

RESEARCH AND ENTREPRENEURSHIP PROCESS

- **Process Owner:**
 - Scientific Research Projects (BAP) Coordination Office
 - Academic and administrative staff, and students
- **Process Inputs:**
 - Requests from department chairpersons
 - Requests from teaching staff
 - Student requests
 - Alumni requests
 - Requests from sector representatives
 - Other stakeholder requests
 - High-level policy documents (Development Plan, etc.)
- **Process Resources:**
 - Teaching staff
 - Administrative staff
 - State incentives
 - Industrial collaborations
 - Other financial grants, incentives, and support mechanisms
 - Projects
 - Laboratory infrastructure
 - Software infrastructure
 - Hardware infrastructure
 - Academic databases
- **Process Outputs:**
 - Published researches
 - Number of citations/patents/trademarks
 - Received awards, supports, and grants
 - Supported articles/projects
 - Rejected articles/projects
 - Improvement and development results
- **Process Objectives:**
 - To increase scientific productivity
 - To enhance academic recognition and contribution
 - To create an impact at national and international levels
 - To transform research results into societal benefit
 - To develop new products and services that transform into intellectual property rights (copyright, patent, etc.)
- **Process Risks:**
 - Incorrect selection of research topics
 - Insufficient literature review
 - Resource deficiencies (personnel, infrastructure, financial, etc.)
 - Non-utilization or lack of citations for scientific outputs
 - Lack of contribution to academic promotion criteria
 - Lack of contribution to university ranking indexes
 - Financial austerity measures
- **Process Opportunities:**
 - Strong academic staff
 - Increase in the university's recognition
 - Increase in student preferences

- Contribution to regional development
- **Authorities and Responsibilities Related to the Process:**
 - **Senate:** Determining academic promotion criteria and strategic orientations regarding research activities.
 - **BAP (Scientific Research Projects Unit):** Evaluation, support, and monitoring of research projects conducted by university faculty members. Accepting project applications and executing support decisions following scientific committee evaluation.
 - **Technology Transfer Office (TTO):** Supporting students and academicians in developing business ideas and commercialization/spin-off processes; offering patent acquisition, intellectual property rights, licensing, university-industry collaboration, and entrepreneurship support.
 - **Administrative Units:** Providing administrative coordination for research and development activities.
 - **Academic Units:** Leading decision-making processes in line with research priorities specific to academic units.
- **Implementation of the Process:**
 - **BAP:** Project application and evaluation processes
 - Monitoring of publications (Academic Units)
 - Academic databases (Department of Library and Documentation)
- **Process Compliance Criteria:**
 - Projects resulting in national/international publications
 - Publications being published in journals or books indexed in prestigious databases
 - Projects generating income for the university
 - Projects contributing to the region

PROCESS PERFORMANCE AND MEASUREMENT CRITERIA

Research Quality (10 Indicators - 40%)

No	Indicator	Description	Source
1	Ratio of Scientific Publications in the Top 50% of InCites Journal Impact Value	The ratio of the number of articles and reviews published in 2023 that fall into the top 50% (Q1+Q2) of the InCites Journal Impact Value to the total number of publications of the same type in the same year.	Web of Science - InCites
2	Ratio of Publications Receiving Citations in the Top 10%	The ratio of the number of articles and reviews published in journals indexed in ISI Citation Index databases (SCI, SCI-E, SSCI, and AHCI) in 2023 and ranked in the top 10% of the most cited publications in the last year, to the total	Web of Science - InCites

No	Indicator	Description	Source
		number of publications of the same type.	
3	Number of Science Awards	<p>The number of awards received in 2023 by institution members or students currently enrolled in the institution within the scope of YÖK Outstanding Achievement (Institutional, Individual, and Special Field)*, TÜBİTAK (Science, Special, Service, and Incentive Awards), and TÜBA GEBİP Awards.</p> <p><i>Note: For Individual Awards, the university where the thesis was completed will be taken into account.</i></p>	TÜBA, TÜBİTAK, YÖK
4	Amount of Funds Received under the Technology Platform Project Supported by the TÜBİTAK 1004 Program	The amount of funds transferred to the institution in 2023 within the scope of TÜBİTAK for the coordinators or memberships of the Technology Platform Project supported under the TÜBİTAK 1004 Program.	TÜBİTAK
5	Open Access Percentage of Publications	The open archive service capacity of articles and reviews published in 2023 in journals indexed in the ISI Citation Index (SCI, SCI-E, SSCI, and A&HCI) database.	Web of Science - InCites
6	Performance in World Academic General Rankings	The institution's ranking in THE, QS, and ARWU World Academic General Rankings in 2023.	THE, QS, ARWU
7	Number of Accredited Programs	The total number of accredited programs according to the 2023 Higher Education Programs and Quotas Guide.	2023 YKS Guide
8	International Doctoral Student Ratio	The ratio of the number of international doctoral students studying in the 2022-	YÖK

No	Indicator	Description	Source
		2023 academic year to the total number of doctoral students.	
9	Number of Doctoral Graduates	The number of doctoral students who graduated in the 2022-2023 academic year.	YÖK
10	Number of Doctoral Students	The number of doctoral students in the 2022-2023 academic year.	YÖK

Interaction and Collaboration (11 Indicators - 20%)

No	Indicator	Description	Source
1	University-University Collaborative Publication Ratio	The ratio of university-university collaborative articles and reviews published in 2023 in journals indexed in ISI Citation Index (SCI, SCI-E, SSCI, and A&HCI) databases to the total number of publications of the same type in the same year.	Web of Science - InCites
2	University-Business World Collaborative Publication Ratio	The ratio of university-business world collaborative articles and reviews published in 2023 in journals indexed in ISI Citation Index (SCI, SCI-E, SSCI, and A&HCI) databases to the total number of publications of the same type in the same year.	Web of Science - InCites
3	International Collaborative Publication Ratio	The ratio of internationally collaborative articles and reviews published in 2023 in journals indexed in ISI Citation Index (SCI, SSCI, and A&HCI) databases to the total number of publications of the same type in the same year.	Web of Science - InCites

No	Indicator	Description	Source
4	Number of National and International Patent Certificates from University-Business Collaboration	<p>University-Business Collaborative National Patent Certificate: The number of patents registered by the Turkish Patent and Trademark Office in the last 3 years (2021-2022-2023), where at least one of the applicants or inventors is the institution, an institution member, or a student enrolled in the institution, and at least one is a private sector employee.</p> <p>University-Business Collaborative International Patent Certificate: The number of patents registered by foreign patent offices in the last 3 years (2021-2022-2023), where at least one of the applicants or inventors is the institution, an institution member, or a student enrolled in the institution, and at least one is a private sector employee.</p>	TURKPATENT, Universities
5	Number of National and International Patent Certificates from International Collaboration	<p>Internationally Collaborative National Patent Certificate: The number of patents registered by the Turkish Patent and Trademark Office in the last 3 years (2021-2022-2023), where at least one of the applicants or inventors is the institution or an institution member, and at least one is a private sector employee at the date of application.</p>	TURKPATENT, Universities

No	Indicator	Description	Source
		<p>Internationally Collaborative International Patent Certificate: The number of patents registered by foreign patent offices in the last 3 years (2021-2022-2023), where at least one of the applicants or inventors is the institution or an institution member, and at least one is a private sector employee at the date of application.</p>	
6	<p>Amount of Funds Received from R&D and Innovation Projects Conducted in University-Business World Collaboration within the Scope of Public Funds National R&D and Innovation Support Programs</p>	<p>The amount of funds received from university-business world collaborative projects that started, are ongoing, or were completed in 2023, supported by National R&D and Innovation Support Programs within the Scope of Public Funds (Includes projects supported by public institutions providing funding in the field of R&D and innovation, as well as consultancy services provided to publicly supported business world projects. Investment projects and BAP projects are excluded).</p>	<p>TÜBİTAK, SSB, TAGEM, TENMAK</p>
7	<p>Number of R&D and Innovation Projects Conducted in University-Business World Collaboration within the Scope of Public Funds</p>	<p>The number of university-business world collaborative projects that started, are ongoing, or were completed in 2023, supported by National R&D and Innovation Support Programs within the Scope of Public Funds (Includes projects supported by public institutions providing funding in the field</p>	<p>TÜBİTAK, SSB, TAGEM, TENMAK, TİTCK</p>

No	Indicator	Description	Source
		of R&D and innovation, as well as consultancy services provided to publicly supported collaboration projects. Investment projects and BAP projects are excluded).	
8	International Student Ratio	The ratio of the number of international students studying in the institution's bachelor's, master's, and doctoral programs in the 2022-2023 academic year to the total number of students.	YÖK
9	International Faculty Member Ratio	The ratio of the number of international faculty members (Professor, Associate Professor, Assistant Professor) working in the institution in the 2022-2023 academic year—excluding assignments at the School of Foreign Languages—to the total number of faculty members.	YÖK
10	Number of Faculty Members and Students in Mobility	The number of institution members and students in mobility (broken down by incoming and outgoing) within the scope of National Agency and TÜBİTAK mobility programs in 2023.	National Agency, TÜBİTAK
11	Number of Registered Students in TÜBİTAK 2244 Industrial PhD Program	The total number of registered students benefiting from the TÜBİTAK 2244 Industrial PhD Program in 2023.	