



TECHNOLOGY
TRANSFER
OFFICE

2023 ANNUAL REPORT

C CONTENTS

ABOUT ÖzÜ TTO	4
PREFACE	5
HIGHLIGHTS of 2022	6
SECTION I- GRANTS AND CONTRACTS	8
1.1 The Share of Grants and Contracts	9
1.2 Total Research Funds by Sponsors	10
1.3 15-Year History by Sponsors	10
1.4 Total Research Funds by Faculty and Schools	11
1.5 15-Year History by Faculty and Schools	11
SECTION II- RESEARCH PROJECTS FROM 2023	12
SECTION III INTELLECTUAL PROPERTY RIGHTS AND COMMERCIALIZATION	15
3.1 ÖzÜ Technologies	17
SECTION IV - LIST OF PATENT APPLICATIONS AND REGISTRATIONS IN 2023	18
SECTION V - EVENTS ORGANISED AND PARTICIPATED BY ÖzÜ TTO IN 2023	21
ÖzÜ TTO TEAM	26

T ABLES

Table 1.	Research Funding by Sponsors (2009 - 2023) (TL)	10
Table 2.	Research Funding by Faculty and Schools (2009 - 2023) (TL)	11
Table 3.	Projects Eligible to Receive Grant Support in 2023	13
Table 4.	National Patent Applications of ÖzÜ in 2023	19
Table 5.	International Patent Applications of ÖzÜ in 2023	19
Table 6.	Registered National Patent Applications of ÖzÜ in 2023	20
Table 7.	Registered International Patent Applications of ÖzÜ in 2023	20
Table 8.	Events and Trainings Organized and Participated by ÖzÜ TTO in 2023	22

F IGURES

Figure 1.	Cumulative Research Funds (TL) (2009 - 2023)	9
Figure 2.	Grants and Industry Partnerships Distribution (TL) (2009-2023)	9
Figure 3.	Total Research Funds by Sponsors (2009 - 2023)	10
Figure 4.	Total Research Funds by Sponsors in 2023	10
Figure 5.	Total Research Funds by Faculty (2009 - 2023)	11
Figure 6.	Total Research Funds by Faculty in 2023	11
Figure 7.	Patent & Utility Model Portfolio Statistics of ÖzÜ (2013-2023)	16
Figure 8.	IPR Performance in 2023	16

ABOUT

ÖzÜ TTO

The main objective of Özyeğin University is to become one of Turkey's leading entrepreneurial research universities. We place great importance on academic research outputs, university-industry cooperation, intellectual property rights, commercialization of technology, and the establishment of technology-based startups. These are the main functions of the university. To serve this purpose, the Özyeğin University Technology Transfer Office (ÖzÜ TTO) was established in November 2012. In 2013, ÖzÜ TTO became one of the top 10 universities to receive support from the TÜBİTAK 1513 Technology Transfer Offices Support Program.

Vision of ÖzÜ TTO:

- aims to transform academic knowledge into social benefit by transforming every researcher into a project designer and every project developer into an entrepreneur.

Mission ÖzÜ TTO:

- raises awareness on TTO activities, innovation and technology transfer through the training-events and publications it organizes.
- provides project preparation, application and monitoring services for national / international support programs.
- conducts joint activities with the private sector to increase university-industry cooperation.
- manages the intellectual and industrial property rights portfolio and carries out commercialization activities.
- supports incorporation and entrepreneurship activities and runs accelerator programs.





Dr. İsmail Arı
Director of Knowledge, Technology Transfer
and Entrepreneurship

ÖzÜ is a young, entrepreneurial, high-impact university with a bright future. 2023 marked some of the important project milestones including close to the 773rd contracted project and the 224 Millionth (TL) granted budget. We again ranked among the leaders of the IP ecosystem in terms of the number of patents applied for and granted in Turkey. The technology business that we catalyze reaches a large community of multi-national corporations, SMEs, startups, academicians, students, government office and national research centers. It takes literally hundreds of sessions each year to trigger new projects, start interactions, join and create consortiums to transfer the know-how back & forth among well-established players. While we act as a conduit for this high-energy flow, it also takes a lot of work & stamina, patience & perseverance, and extra budgeting from our side to close the remaining gaps. Therefore, I'd like to dedicate the achievements of 2023 to the technical team of Knowledge, Technology Transfer and Entrepreneurship (KTTE) Directorate, Project Management Office (PYO) and the Rectorate of Özyegin University.

"Life's roughest storms prove the strength of our anchors." - Anonymous

HIGHLIGHTS OF 2023

CUMULATIVE
RESEARCH VOLUME (TL)

271.6 Million TL



TOTAL RESEARCH PROJECTS

866



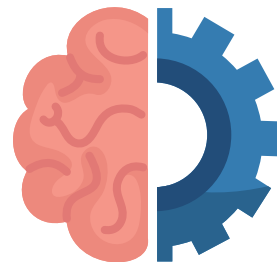
RESEARCH VOLUME (TL)

46.0 Million TL



PROJECTS WITH INDUSTRY
COLLABORATION

52



GRANT PROJECTS

39



COOPERATION MEETINGS
HELD

150+



TOTAL JOINT PATENT APPLICATIONS

?



PATENTS AND UTILITY MODELS GRANTED

27



INFO DAYS AND TRAININGS ORGANIZED & PARTICIPATED

175



PROJECT ANNOUNCEMENTS

110+



SECTION I

GRANTS AND CONTRACTS

This section focuses on sponsored research portfolio overview for the years 2009- 2023 and zooms into fiscal year 2023.



grants@ozyegin.edu.tr

1. Grants and Contracts

In 2023, Özyeğin University's sponsored research volume reached 271.6 million TL with 91 new projects. Thus, ÖzÜ's research performance has seen a 2.2-fold increase both in the total research budget and in the total number of research projects in the last 3 years. Since 2009, ÖzÜ has carried out 866 research projects, which were sponsored by the external funds and industry. Figure 1 details the cumulative research funds of ÖzÜ between 2009 and 2023.

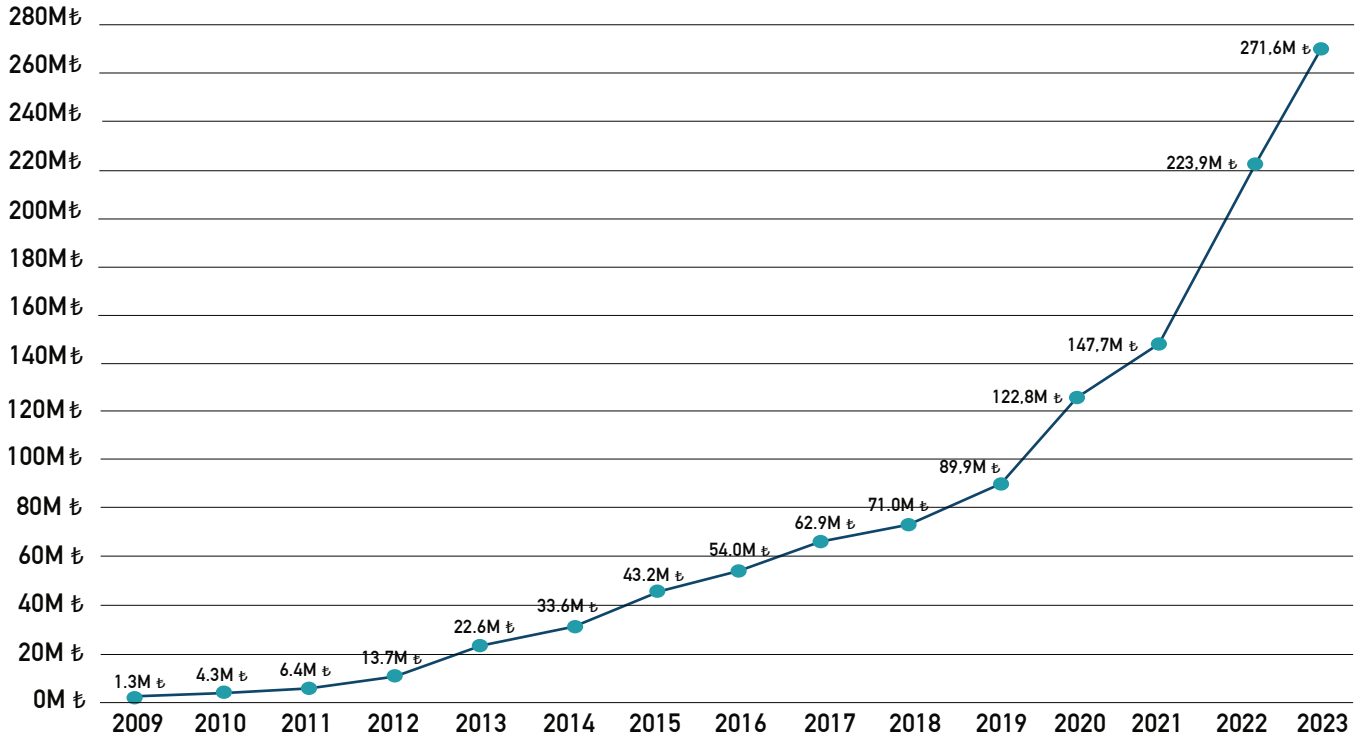


Figure 1. Cumulative Research Funds (TL) (2009 - 2023)

1.1 The Share of Grants and Contracts

Grants constitute the big portion of ÖzÜ's sponsored research volume. Approximately half of the grant volume (47%) involves industry collaboration, and the rest has been performed directly by our researchers within university. The contracts (university industry partnership projects) have also an substantial share in the ÖzÜ's cumulative research volume. The distribution of grants and contracts among years is shown in Figure 2.

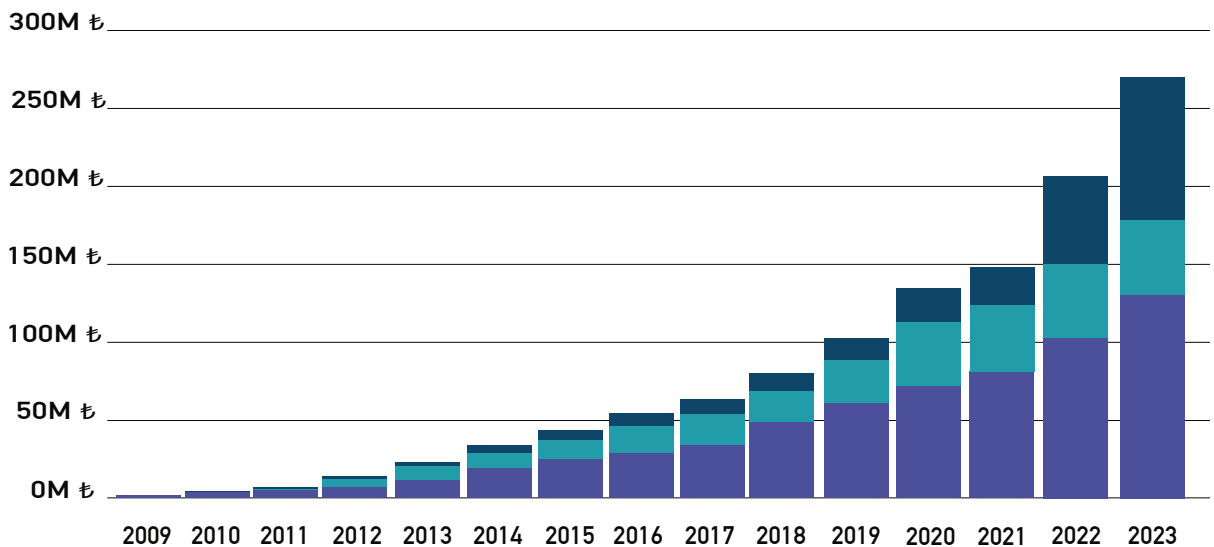


Figure 2. Grants and Industry Partnerships Distribution (TL) (2009 - 2023)

1.2 Total Research Funds by Sponsors

A remarkable volume of the ÖZÜ's research funds comes from national funding agencies (75,84%). The rest comes from international institutions, which are essential for funding future of technology and society. National funds come from TÜBİTAK (36,21%), university industry collaboration (34,29%), development agencies (4,30%) and other national agencies whereas international funds are mostly EU grants (17,82%) and other international funds (6,34%).

In 2023, TÜBİTAK projects, which constitute 20,76% of the research volume, are followed by the university industry partnerships at 51,64 %, EU funds at 26,77%, and other projects sponsored by other institutions.

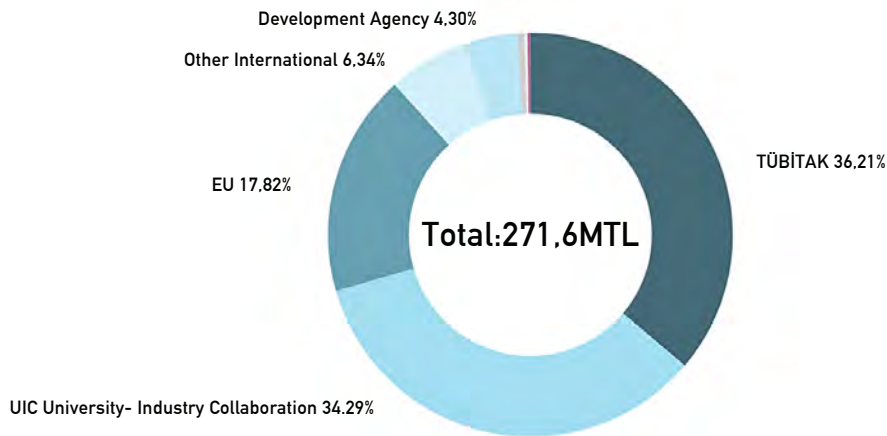


Figure 3. Total Research Funds by Sponsors (2009-2023)

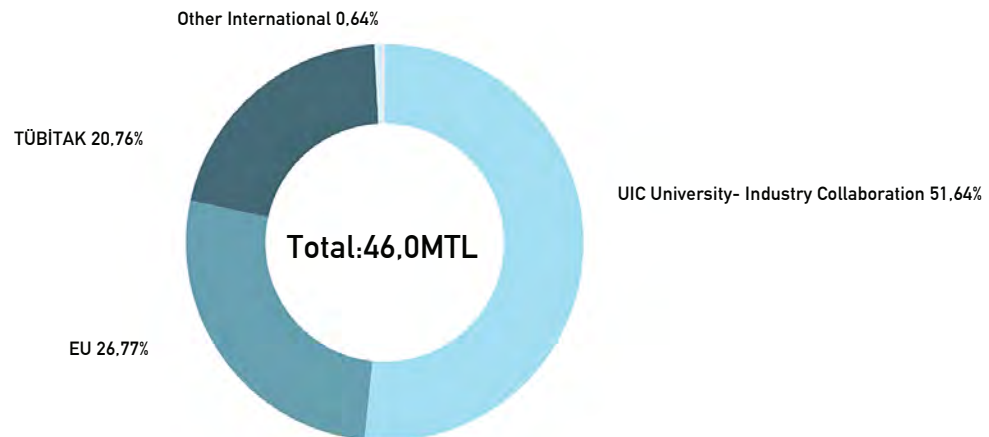


Figure 4. Total Research Funds by Sponsors in 2023

1.3 15-Year Research Fund History by Sponsors

ÖZÜ's year-on-year cumulative research volume is presented in Table 1.

Sponsor	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
Other National								210.000		115.920				305.000		630.920
Awards	30.644		60.286	110.954	53.793	20.000	41.468	40.000		50.000			160.000	6.000	92.000	665.145
Ministry of Science, Industry and Technology	100.456			223.930	648.122	270.693	274.939				0					1.518.140
Development Agency					2.514.000	980.000	2.792.474		0	1.936.640		286.156	0	3.171.454		11.680.724
Other International			2.835	399.704	678.663	452.459	400.711	1.088.301	517.544	598.250	2.000.436	1.081.282	174.708	9.537.012	293.293	17.225.198
EU	603.732	1.179.718	765.223	5.266.254	2.845.505	2.267.108	1.054.144	972.130	3.145.104		4.213.287	5.806.421	3.825.687	4.128.705	12.315.451	48.388.469
UIC University-Industry Collaboration		472.595	246.484	540.620	736.103	2.438.703	1.412.641	1.596.509	1.538.339	1.641.303	2.500.963	6.980.081	3.409.996	45.856.606	23.754.946	93.125.889
TÜBİTAK	551.695	1.351.205	1.052.184	726.225	1.488.456	4.549.434	3.637.488	6.956.361	3.969.407	12.337.452	15.353.598	16.945.621	7.504.092	12.354.780	9.549.320	98.327.318
TOTAL	1.286.527	3.003.518	2.127.012	7.267.687	8.964.642	10.978.397	9.613.865	10.863.301	9.170.394	16.679.565	24.068.284	31.099.561	15.074.483	75.359.557	46.005.010	271.561.803

Table 1. Research Funding by Sponsors* (2009-2023) (TL)

1.4 Total Research Funds by Faculty and Schools

The Faculty of Engineering at ÖzÜ is the leading academic unit in terms of the total sponsored research funds received between 2009 and 2023 with the share of 67.72%. In the overall distribution, the Faculty of Engineering was followed by the Faculty of Social Sciences, the Faculty of Architecture and Design, and the Center for Energy, Environment and Economy 9.60%, 6.16%, and 4.39%, respectively. The distribution among faculties and schools at ÖzÜ for the period of 2009-2023 is demonstrated in Figure 5. Similarly, the Faculty of Engineering has the biggest share (57.94%) in 2023 followed by the Faculty of Social Sciences (32.13%) as shown in Figure 6.

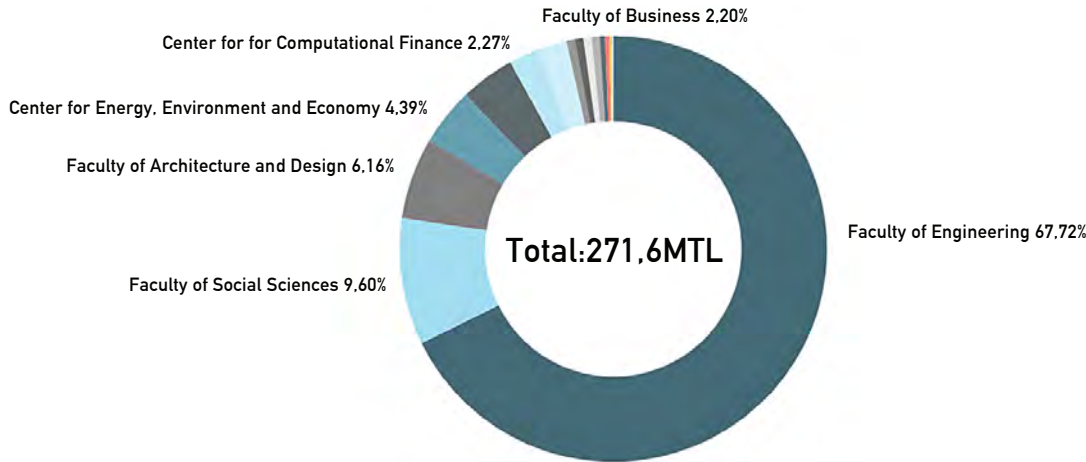


Figure 5. Total Research Funds by Faculty (2009-2023)

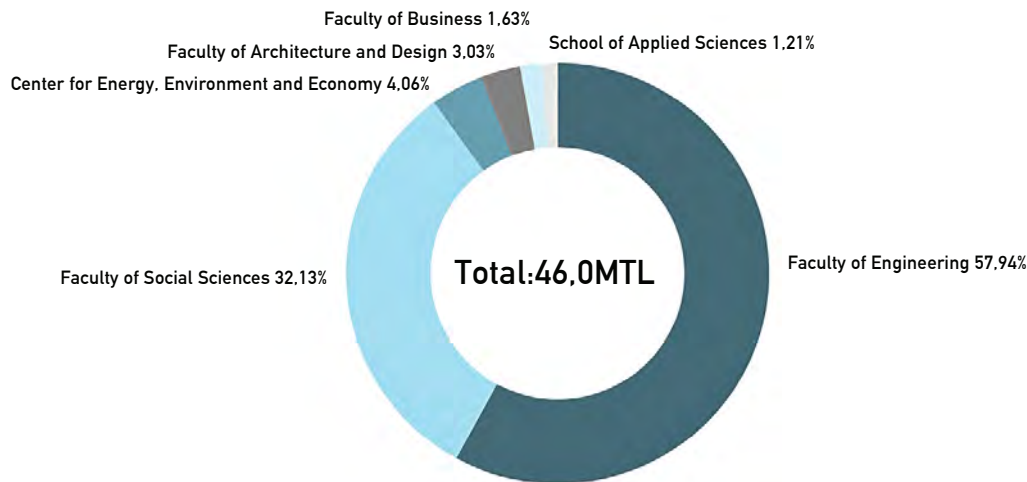


Figure 6. Total Research Funds by Faculty in 2023

1.5 15-Year Research Fund History by Faculty and Schools

The year-on-year distribution of Özü's sponsored research volume by faculties and schools is presented in Table 2.

Faculty/Center	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	TOTAL
Dean of Students											3.198					3.198
School of Languages														19.362	0	19.362
Faculty of Law						165.045								125.282	0	390.327
Rectorate												396.435				396.435
Sustainability Platform														855.463		855.463
Office for Learning and Teaching Enhancement														1.144.548		1.144.548
Center for Entrepreneurship				302.286		70.000	711.387			527.261				32.287		1.643.221
School of Applied Sciences					212.794	0	0			140.000	22.668	411.619	242.300	64.615	555.858	1.649.854
Technology Transfer Office							40.000	3.000	94.400	1.179.750	132.160	286.156				1.735.466
Faculty of Aviation and Aeronautical Sciences				0		0	19.116	70.000	44.000	54.400	51.920	165.200	58.410	1.302.790		1.765.836
Faculty of Business	221.421	227.375	67.237	233.709	78.990	626.225	585.613	584.947	224.634	1.089.294	260.620	44.670	60.000	918.519	751.465	5.974.719
Center for Computational Finance	15.322				739.000	2.184.400		378.200	20.850		63.720	871.734	6.265	1.887.528		6.167.019
										11.800	8.603.026	19.470	1.390.426	1.138.970	0	11.192.012
Center for Energy, Environment and Economy		5.315	551.304	3.949.823	1.509.756		781.248		231.229		871.203	196.165		1.952.586	1.866.169	11.914.798
Faculty of Architecture and Design						234.808	542.552	416.697	80.515	133.425	2.950	4.110.421	923.987	8.895.750	1.396.316	16.737.421
Faculty of Social Sciences		132.070			210.040	1.219.438	683.293	802.048	690.524	25.000	2.111.813	72.160	2.555.984	2.783.269	14.771.672	26.057.311
Faculty of Engineering	1.049.784	2.638.758	1.508.471	2.781.869	6.214.062	6.378.481	6.250.656	8.608.409	7.772.442	4.927.409	20.528.562	23.154.575	10.088.567	55.349.238	26.663.530	183.914.813
TOTAL	1.286.527	3.003.518	2.127.012	7.267.687	8.964.642	10.978.397	9.613.865	10.863.301	9.170.394	16.679.565	24.068.284	31.099.561	15.074.483	75.359.557	46.005.010	271.561.803

Table 2. Research Funding by Faculty and Schools (2009-2023) (TL)

SECTION II

RESEARCH PROJECTS FROM 2023

This section presents national or international research projects accepted in 2023.



grants@ozyegin.edu.tr

Table 3. Projects Eligible to Receive Grant Support in 2023

Number	Program Name	Project Name	Project Coordinator
1	Other International	A Comprehensive Study on Marginalized Women Entrepreneurs in India	Asst. Prof. Abrar Ali Saiyed
2	Award	Media over QUIC: Development, Benchmarking and Analysis	Assoc. Prof. Ali Cengiz Beğen
3	Other International	Anthropology Runs into 1968: Ethnography of Turkey during the Cold War	Asst. Prof. Ali Sipahi
4	TÜBİTAK 2219	Türkiye Studies in Cold War American Anthropology	Asst. Prof. Ali Sipahi
5	TÜBİTAK 2219	Examining the Relationships Between Cultural Risks and Protective Factors and the Psychological Health of Immigrant Children	Prof. Asiye Kumru
6	TÜBİTAK 3501	A Model Proposal for Artificial Intelligence-Based Building Components Detection and Thermal Comfort Estimation	Assoc. Prof. Aslı Ağırbaş
7	TÜBİTAK 3005	A Digital Fabrication Supported Model Proposal for Teaching Muğarnas Geometric Infrastructure	Assoc. Prof. Aslı Ağırbaş
8	TÜBİTAK 3501	Design Principles for Omnichannel Retail Operations	Asst. Prof. Bahriye Cesaret
9	COST	Behavioral Next Generation In Wireless Networks For Cyber Security	Asst. Prof. Başak Ozan Özparlak
10	TÜBİTAK 2209-A	Post-Traumatic Stress Disorder, Psychological Resilience and Psychological Health in Parents and Children Who Experienced the Kahramanmaraş Centered Earthquake	Cemre Gökçen Gökçe
11	Award	Bagep Award 2023	Asst. Prof. Ceren Hayran Şanlı
12	TÜBİTAK 1002	Determination of the Performance and Damage Situations of Industrial Buildings Affected by the Kahramanmaraş-Pazarcık (Mw=7.7) and Elbistan (Mw=7.6) Earthquakes that Occurred on February 6, 2023, Through Field Observations	Asst. Prof. Derya Deniz
13	TÜBİTAK 1001	A Research on the Development of Design Literacy Skills: Design, Implementation and Evaluation of a Course for First Year Students of Higher Education Undergraduate Programs	Asst. Prof. Derya Yorgancıoğlu
14	TÜBİTAK 2209	Charging Circuit for 12V Batteries Used on Ships with Flyback Topology	Ege Uğur
15	TÜBİTAK 3501	Deep Genome: Revealing and Analyzing the Three-Dimensional Shape of the Genome and Its Dynamics Across Multiple Species and Cell Types with Deep Learning	Asst. Prof. Emre Sefer
16	TÜBİTAK 1001	Pricing Dynamics and Macroeconomic Effects in Turkey	Asst. Prof. Emrehan Aktuğ
17	TÜBİTAK 1711	Artificial Intelligence Based Plastic Injection Quality Control System	Asst. Prof. Erinc Albey
18	Horizon Europe - Excellent Science MSCA - COFUND	Crystalline	Assoc. Prof. Evşen Yanmaz Adam
19	Other International	2023 Elections And Migration Debate In Turkey	Asst. Prof. Ezgi Elçi
20	TÜBİTAK 2224-A	TÜBİTAK 2224-A Grant Program for Participation in Scientific Meetings Abroad	Asst. Prof. Ezgi Elçi
21	TÜBİTAK 1002	Employers' Perspective on Remote Working	Asst. Prof. Gözde Çörekçioğlu İshakoğlu
22	TÜBİTAK 1071	Development of Novel High Entropy Alloys for Improving Low-Cycle Fatigue Performance	Prof. Güney Güven Yapıcı
23	TÜBİTAK 2218	Computerized Design of New Generation MOF and MOF-MOF Composites to Increase the Energy Efficiency of Carbon Capture Technology and Improving Their Carbon Capture Performance with the Help of Machine Learning Models	Hakan Demir, PhD
24	Horizon Europe - Global Challenges & Ind. Competitiveness - Culture, Creativity And Inclusive Society	Detecting And Countering Information Suppression From A Transnational Perspective	Assoc. Prof. Hamid Akın Ünver
25	TÜBİTAK 2219	The Relationship Between High-Tech and High-Touch in Personalized Customer Experience: What Hotels Offer, What Customers Demand, and What They Value	Asst. Prof. Hanım Kader Şanlıöz Özgen

Number	Program Name	Project Name	Project Coordinator
26	TÜBİTAK 1002	Is Employee's Attachment Style Important in Experience of Workplace Incivility?	Prof. Hayriye Canan Sümer
27	COST	European Metal-Organic Framework Network: Combining Research And Development To Promote Technological Solutions	Assoc. Prof. İlknur Eruçar Fındıkçı
28	Award	TÜBA - GEBİP (Outstanding Young Scientist Awards Program) 2023	Assoc. Prof. İlknur Eruçar Fındıkçı
29	TÜBİTAK 1001	Establishing a Legal Framework for the Digitalization of Negotiable Instruments in Turkish Law	Asst. Prof. Işık Özer
30	Horizon Europe - Global Challenges & Ind. Competitiveness - Digital, Industry & Space	Inside Network Membership Application	Asst. Prof. İsmail Aktürk
31	TÜBİTAK 3501	Reaching the Global Stage from the Semi-Peripheral: Recruitment and Retention of International Faculty Members at Universities in Turkey	Asst. Prof. Maissam Nimer
32	Award	100th Anniversary TÜBİTAK Science Award	Prof. Murat Uysal
33	Other International	Occupant-Centric Housing Design And Retrofit Pathways For Sustainable, Equitable, And Resilient Pandemic Recovery	Asst. Prof. Neşe Ganiç Sağlam
34	TÜBİTAK 1001	Learning Abstract Meaning Representation for Turkish and Developing a Question Answering System	Prof. Olcay Taner Yıldız
35	TÜBİTAK 1002	Investigation of the Effect of Biomass Ash Substitution on the Mechanical and Durability Properties of Cement Mortars and Life Cycle Analysis	Instr. Ömer Karadağ
36	TÜBİTAK 1001	Multi-Material Variable Stiffness Transtibial Prosthesis Socket Design, Prototyping and Evaluation with Individualized Pressure Distribution	Asst. Prof. Ramazan Ünal
37	TÜBİTAK 3501	Development of a Hybrid Approach for Urban Building Energy Modeling	Asst. Prof. Senem Seyis Kazazoğlu
38	Award	(Re) Defining Institutional Effectiveness: Agility & Adaptability – Academic Management Competency Framework	Instr. Serkan Aras
39	Horizon Europe - Cross Cutting - Widening Participation	Social Sciences For Democracy: A Training Program For Improving Research On Illiberal Systems And Finding Ways To Build More Robust Democracies	Asst. Prof. Tülay Deniz Erkmen

SECTION III

INTELLECTUAL PROPERTY RIGHTS (IPR) AND COMMERCIALIZATION

This section focuses on IPR Management
Overview for the years 2013-2023.



ipr@ozyegin.edu.tr

4. Intellectual Property Rights (IPR) Management at ÖzÜ

ÖzÜ as maintained its place in the top 10 in the Entrepreneurial and Innovative University Index (GYÜE). We rank in the top 1 in the "Intellectual Property (IP) Pool" dimension of the index. This success is the result of the IP strategies of ÖzÜ and our rich IP portfolio.

ÖzÜ's annual research funds reached 271,6 million TL last year. This research volume leads to new technology, IP applications, software, and commercial products. ÖzÜ TTO is responsible for the management of IP portfolio and converting these assets into commercial value for the benefit of the industry and public. ÖzÜ TTO IP Team works closely with ÖzÜ inventors to protect and commercialize their IPs.

ÖzÜ TTO organized some activities such as "Invention Disclosure Days" and "ÖzÜ Patent Competition" to encourage new applications. ÖzÜ TTO filed 21 new patent applications, 1 utility model applications in 2023 thus the number of total patent applications reached to 436.ÖzÜ's IP portfolio contains 153 granted patents out of which 27 were granted in 2023. In 2023, 3 trademark and 2 industrial design applications were also made; 4 trademarks and 2 industrial designs were registered. Since 2013, 173 joint patent applications have been filed with industry and other universities. There is a wide range of technologies developed at ÖzÜ including those in Lighting and Energy Technologies, Mechanical and Thermal Technologies, Information and Communication Technologies, Prostheses & Exoskeleton Systems, Industrial Application, Construction Materials, Material Technologies.

The statistics of ÖzÜ IP portfolio between 2013-2023 are summarized in Figure 7 and the activities carried out in 2023 are given in Figure 8.

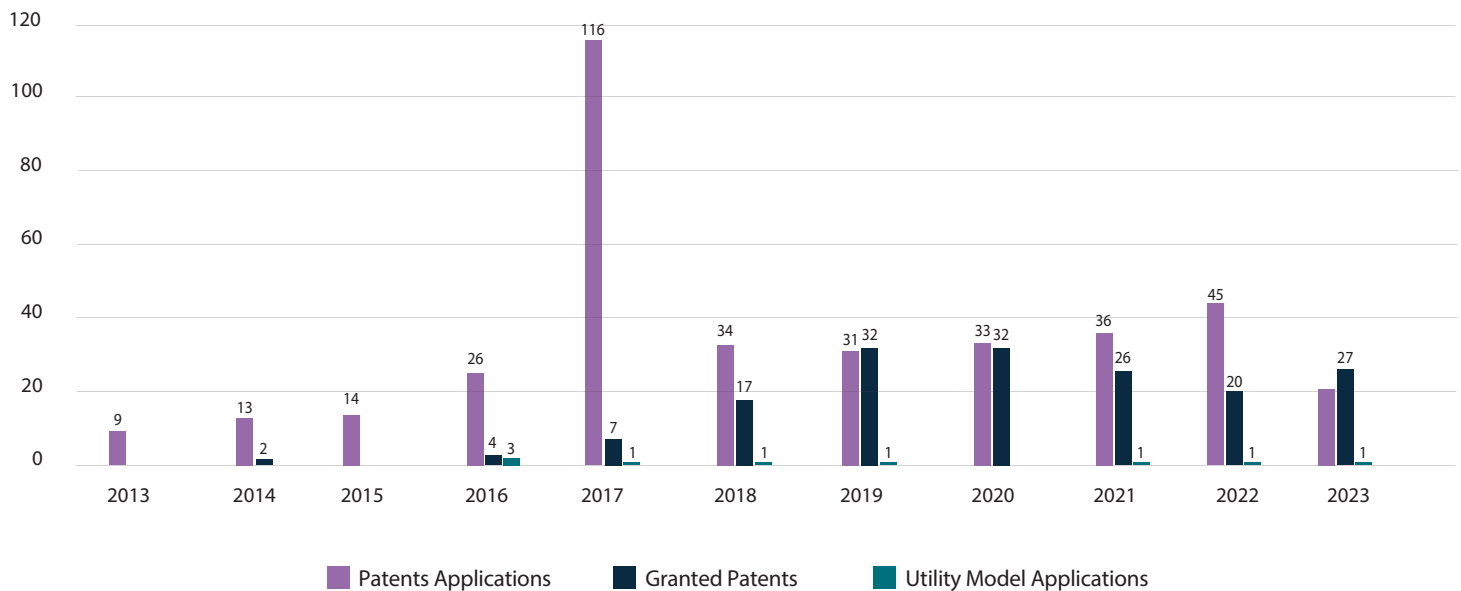


Figure 7. Patent & Utility Model Portfolio Statistics of ÖzÜ (2013-2023)

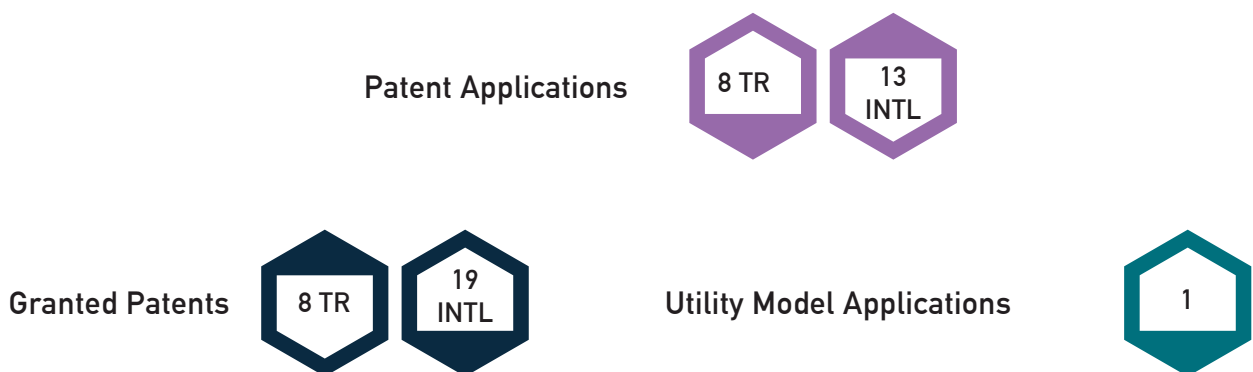


Figure 8. IPR Performance in 2023

3.1. ÖzÜ Technologies



Lighting & Energy
Technologies



Mechanical & Thermal
Technologies



Information &
Communication
Technologies (ICT)



Prostheses &
Exoskeleton Systems



Industrial
Application



Construction
Materials



Material
Technologies



ÖzÜ Technologies are introduced in Patent Portfolio.
<https://tto.ozyegin.edu.tr/en/tto-publications>

SECTION IV

LIST OF PATENT APPLICATIONS AND REGISTRATIONS IN 2023

This section presents the list of patent applications and registered patents of ÖzÜ in 2023.



ipr@ozyegin.edu.tr

Table 4. National Patent Applications of ÖzÜ in 2023

Number	Title of Invention	Application Number	Application Date
1	A Measurement System	2023/000193	6.01.2023
2	A Comfortable Prosthetic Socket	2023/002045	23.02.2023
3	Robotic Foot Unit That Biomechanically Mimics the Ankle	2023/005400	15.05.2023
4	A Robotic Knee Unit	2023/005398	15.05.2023
5	A Generator for Use in Vehicles	2023/008817	26.07.2023
6	A System for the Extrusion of Non-Newtonian Fluids by Controlling Their Mass Flow	2023/012114	28.09.2023
7	Energy Performance Calculation and Indoor Comfort Analysis System at a Campus Scale	2023/012631	6.10.2023
8	A Method for Imparting Superhydrophobic Properties for Metal Substrates	2023/016265	1.12.2023

Table 5. International Patent Applications of ÖzÜ in 2023

Number	Title of Invention	Application Number	Application Date
1	A Measurement System	PCT/TR2023/050197	28.02.2023
2	A Comfortable Prosthetic Socket	PCT/TR2023/050273	22.03.2023
3	3 Degrees Of Freedom Ankle Prosthesis	EP21916077A	31.03.2023
4	3 Degrees Of Freedom Ankle Prosthesis	US202118034392A	28.04.2023
5	A Test Platform System	US202118033562A	28.04.2023
6	A Robotic Knee Unit	PCT/TR2023/050502	1.06.2023
7	Robotic Foot Unit Biomechanically Mimicking The Ankle	PCT/TR2023/050503	1.06.2023
8	A Method For Providing Modular Software Architecture Recovery	18/273,282	20.07.2023
9	Accident Notification System	DE112022001320	4.09.2023
10	Optical Arrangement For Collimated Light Beam	US 18/283,496	22.09.2023
11	A New Bioplastic And A Production Method Thereof	WO2024043849A1	2.10.2023
12	A System For Extrusion Of Non-Newtonian Fluids by Controlling Their Mass Flow Rate	PCT/TR2023/051114	11.10.2023
13	A Hand Prosthesis	DE112021007629T	31.12.2023

Table 6. Registered National Patent Applications of ÖzÜ in 2023

Number	Title of Invention	Application Number	Application Date	Registraton Date
1	Preferred Light Engine System in LED Based Lighting Systems	2015/14689	20.11.2015	21.07.2023
2	Nano-Boron for Polymers	2020/14537	15.10.2020	21.07.2023
3	A Silicon-Based Closed and Integrated Platform for the Study of Radiation Transfer at the Micro-Nanoscale	2020/22603	31.12.2020	21.12.2023
4	Geodetic Leveling Miralari and How to Use Them	2021/008480	18.05.2021	21.03.2023
5	A Preferred System for Measuring the Junction Temperature of Photonic Devices	2021/010395	24.06.2021	22.05.2023
6	A Method for Restoring Modular Software Architecture	2022/013118	19.08.2022	22.05.2023
7	A New Bioplastic and a Method for Its Production	2022/013212	22.08.2022	22.05.2023
8	Robotic Foot Unit That Biomechanically Mimics the Ankle	2023/005400	15.05.2023	21.09.2023

Table 7. Registered International Patent Applications of ÖzÜ in 2023

Number	Title of Invention	Application Number	Application Date	Registraton Date
1	3D Adaptive Form Shaping and Projecting Device, System and Method	EP16206692.2	23.12.2016	15.02.2023
2	3D Adaptive Form Shaping and Projecting Device, System and Method	EP16206692.2	23.12.2016	15.02.2023
3	Acousto-Optic Transducer, Array and Method	US201716487361A	24.02.2017	27.06.2023
4	Acousto-Optic Transducer, Array and Method	EP17708720A	24.02.2017	25.08.2023
5	Acousto-Optic Transducer, Array and Method	EP 17 708 720.2	24.02.2017	25.08.2023
6	System and Method For Generating and Harvesting Electrical Energy From a Washing Machine	EP17159959.0	8.03.2017	18.10.2023
7	System and Method For Generating and Harvesting Electrical Energy From a Washing Machine	EP17159959.0	8.03.2017	18.10.2023
8	Live Broadcasting System	EP17170348.1	10.05.2017	21.06.2023
9	Live Broadcasting System	EP17170348.1	10.05.2017	21.06.2023
10	Washing Machine and Device For Attachment to a Washable Garment	EP17176720.5	19.06.2017	8.11.2023
11	Washing Machine and Device For Attachment to a Washable Garment	EP17176720.5	19.06.2017	8.11.2023
12	Radiaxial Flux Motor With a Conical Stator and Rotor Assembly	DE3350908	26.03.2018	26.04.2023
13	Radiaxial Flux Motor With a Conical Stator and Rotor Assembly	EP3350908	26.03.2018	26.04.2023
14	An Apparatus For and a Method of Keyhole Free Friction Stir Spot Welding	JP2021030266A	23.08.2019	2.06.2023
15	Identification Tag and Method of Identifying an Object	CN201780094536A	24.02.2020	18.04.2023
16	Nano-Boron for Polymer	DE 11 2018 007 116.2	18.09.2020	23.03.2023
17	Solar Power Generating System and The Method Of Generating Electricity and Providing Heat in Such a System	US201817278686A	23.03.2021	18.07.2023
18	Actuation System to Achieve Soft Landing and The Control Method Thereof	US201817293048A	12.05.2021	5.12.2023
19	Method of Quantum Key Distribution Via a Load Node	US 17/418.279	25.06.2021	26.12.2023

SECTION V

LIST OF EVENTS AND
TRAININGS ORGANIZED AND
PARTICIPATED BY Özü TTO IN 2023



tto@ozyegin.edu.tr

Table 8. Events and Trainings Organized and Participated by ÖzÜ TTO in 2023

Number	Training/Event	Date
1	EU Horizon Project Coordination Support – Interact	03.01.2023
2	Workup 10th Term Demo Day	5.01.2023
3	Entrepreneurship with Sections from Movies / Mezzanine Talks 2023	9.01.2023
4	Horizon Europe Cluster V Info Day	10.01.2023
5	OzU Reports Presentation and Possible Projects Meeting	13.01.2023
6	ICI - Horizon Europe Intermediate Education	16.01.2023
7	Developing Innovation-Oriented Competency Skills of Trainers Program (4005 Project) Event	16 - 20.01.2023
8	ICI - CASCADE Funds Information Webinar	26.01.2023
9	1.Public Funds Training	1.02.2023
10	Lump Sum Funding in Horizon Europe: How Does It Work? How to Write a Proposal with a Lump Sum Fund Model?	09.02.2023
11	ICI Strategies for Success in Business Online Training	10.02.2023
12	Bir Araya Gelmek/ Getting Together I	17.02.2023
13	Bir Araya Gelmek-II/Getting Together-II	20.02.2023
14	Marketing and Business Development for Academic Research, Yay-Yüka	20 - 23.02.2023
15	BICABA Scholarship Meeting for TEYDEB Supported Projects	22.02.2023
16	ICI - Mind4Machines Digitalization in Manufacturing 2. Call for Introductory Event	24.02.2023
17	ICI Innovation Roadmap Online Training	24.02.2023
18	OpenFab - Design Your Story Adult Workshop	27.02.2023
19	YAY-YUKA Horizon Europe Project Development / Public Funds Training	1 - 2.03.2023
20	Horizon Europe - Budget System	03.03.2023
21	SEC499 Lesson - Presentation	2.03.2023
22	ENTR 404 Lesson - Presentation	2.03.2023
23	Higher Education Area KA220 Projects Information Meeting	8.03.2023
24	BUS102 Lesson - Presentation	9.03.2023
25	Türkpatent - OzU Patent Awareness Training	15.03.2023
26	360° Entrepreneurship Mindset Program, Social Impact Oriented Entrepreneurship	15.03.2023
27	Expomed Eurasia 2023	16.03.2023
28	360° Entrepreneurship Mindset Program, Technology Entrepreneurship Reaching Millions of People	22.03.2023
29	Canva Create 2023	23.03.2023
30	Green Transformation in Industry Project - TÜBİTAK Stakeholder Participation	28.03.2023
31	360° Entrepreneurship Mindset Program, Climate and Environment Sensitive Entrepreneurship	29.03.2023
32	Project Cycle Management Training, AKA	29.03.2023
33	2023-1 BiGG Call Implementing Organization Information Meeting	29.03.2023
34	AccelerateX Growth Program Demo Day	30.03.2023
35	Innovation and IP Management Standard, Les Turkey	31.03.2023
36	HElight Consortium Meetings	1.04.2023
37	Bilgi University Entrepreneurial Finance Course - Presentation	3.04.2023
38	Startup Factory BIGG Acceleration Program - Business Plan Writing and Consultancy Meetings	3.04.2023
39	TH2020 - Knowledge Multipliers Training	4 - 5.04.2023
40	OzU Certificate Program of Transformation in Banking, Digital Trends in Banking: Open Banking – Blockchain	5.04.2023
41	360° Entrepreneurship Mindset Program, Entrepreneurship in Emerging Technologies	5.04.2023
42	Startup Factory BIGG Acceleration Program - Q&A Interviews	5-6.04.2023
43	Experiences from the Earthquake Field Discussion Forum III	6.04.2023
44	OzU Certificate Program of Transformation in Banking, Fintech, Global and Local Perspective on Startup Ecosystem	6.04.2023
45	Sabancı ARF Almost Ready to Fly - On Air Demo Day	6.04.2023
46	BTM Investor Simulation	10.04.2023

Number	Training/Event	Date
47	Turkey Startup Ecosystem 2023 1. Quarterly Activity	11.04.2023
48	Startup Factory BIGG Acceleration Program - Demo Presentation Mentoring Meetings	12 - 14.04.2023
49	Startup Factory BIGG Acceleration Program - Fenerbahçe University Information Meeting - Presentation	17 - 19.04.2023
50	OpenCosmos Training	18.04.2023
51	GSE 680 Graduate Seminar	25.04.2023
52	ISIF Istanbul International Invention Fair	27.04.2023 - 01.05.2023
53	Entrepreneurial Institutions Platform - OzU Meeting	27.04.2023
54	HElight Project Trainings (Batch 6)	6 - 7.05.2023
55	TÜSİAD BGİV Pre-Jury	8.05.2023
56	Corporate Venture Capital Conference	9.05.2023
57	Teaching Entrepreneurship AI Summit Summer 2023	9.05.2023
58	1601 Technology Transfer Professional Call Info Day	10.05.2023
59	FMHK 2023/2	10.05.2023
60	Turkish Design Foundation Designer Meeting	10.05.2023
61	IMM & OzU Workshop	11.05.2023
62	GrowTech - Market Aligned Startup Development Program, 1st Week Opening Session	12.05.2023
63	Sistem Global KOSGEB Support Programs 2023 Webinar	16.05.2023
64	GrowTech - Market Aligned Startup Development Program, 2nd Week Session	16.05.2023
65	Teaching Entrepreneurship AI Summit Summer 2024	16.05.2023
66	Işık University COST Info Day	17.05.2023
67	Openfab - Fablab Visit - Introduction	17.05.2023
68	Startup Factory BIGG Acceleration Program - 2023-1 Opening Meeting - Presentation	18.05.2023
69	Startup Factory BIGG Acceleration Program - Business Plan Writing Training	20.05.2023
70	Startup Factory BIGG Acceleration Program - Market and Certification Training	20.05.2023
71	Startup Factory BIGG Acceleration Program - Q&A Interviews	22.05.2023
72	GrowTech - Market Aligned Startup Development Program, 3. Week Coaching	23.05.2023
73	Startup Factory BIGG Acceleration Program - Q&A Interviews	23.05.2023
74	Teaching Entrepreneurship AI Summit Summer 2025	23.05.2023
75	R&D Project Mentoring Program in Electricity Distribution - Information Document Question and Answer Session / Opening Speech	25.05.2023
76	Interdisciplinary Disaster Research Working Group	27.05.2023
77	Interdisciplinary Disaster Research Working Group Meeting	27.05.2023
78	Startup Factory BIGG Acceleration Program - Introduction to Entrepreneurship 101 Training	29.05.2023
79	Digital Transformation of SMEs in Turkey with the Establishment of Industry 4.0 Center of Excellence Ankara Visit	29.05.2023
80	GrowTech - Market Aligned Startup Development Program, 4th Week	30.05.2023
81	Teaching Entrepreneurship AI Summit Summer 2023	30.05.2023
82	Digital Transformation of SMEs in Turkey with the Establishment of Industry 4.0 Center of Excellence Ankara Travel	30.05.2023
83	Namık Kemal University - Horizon Europe Project Processes and Project Writing Training	30 - 31.05.2023
84	Horizon Europe Project Processes and Project Writing Training	30.05.2023
85	Horizon Europe Project Processes and Project Writing Training	31.05.2023
86	R&D Project Mentoring Program in Electricity Distribution - Mentoring Meetings	1.06.2023
87	ENTR Course Graduation Project Business Plan Presentation	1.06.2023
88	HElight Certificate Ceremony	2.06.2023
89	Startup Factory BIGG Acceleration Program - Presentation Workshop	2.06.2023
90	ICI - Patent Trademark Valuation Online Training	2.06.2023
91	GrowTech - Market Aligned Startup Development Program, 5. Week	6.06.2023

Number	Training/Event	Date
92	Game Activity: Hello, Earthling, We Are Friends	07.06.2023
93	Startup Factory BIGG Acceleration Program - Business Plan Writing Training (Financial Plan)	7.06.2023
94	Startup Factory BIGG Acceleration Program - İşbank Workup Mentoring Meetings	8.06.2023
95	ICI - Open Innovation Training	9.06.2023
96	GrowTech - Market Aligned Startup Development Program, 6. Week	13.06.2023
97	Startup Factory BIGG Acceleration Program - Demo Presentation Sessions	15.06.2023
98	Developing Innovation-Oriented Competency Skills of Trainers Program Information Sharing Meeting	15.06.2023
99	ICI - Horizon Europe Intermediate Education	15 - 16.06.2023
100	GrowTech - Market Aligned Startup Development Program, 7. Week	20.06.2023
101	Exemplary Multi-Level Governance Models for Climate Neutral Cities: Poland and Finland	20.06.2023
102	Startup Factory BIGG Acceleration Program - PRODIS Training	21.06.2023
103	GrowTech - Market Aligned Startup Development Program, 8th Week	23.06.2023
104	KONG Academy: Legaltech Hackathon	24.06.2023
105	Yay Yuka Project Closing Workshop	27.06.2023
106	European Innovation Ecosystems Open Calls EIE 2023	4.07.2023
107	Startup Factory BIGG Acceleration Program - Incorporation and Financial Management Training Session	4.07.2023
108	DIANA (Defence Innovation Accelerator for the North Atlantic) Program Information Meeting	7.07.2023
109	Young Achievement Education Foundation Conference Activities	11.07.2023
110	Horizon Europe Cluster 3: Civil Security Training for Society	11.07.2023
111	Young Achievement Education Foundation Conference Activities	12 - 13.07.2023
112	TÜSİAD BGİV Start Transformation! Business Idea Competition	13.07.2023
113	High School Summer School Entrepreneur (Kerem Çakırca) Session	14.07.2023
114	TÜSİAD BGİV Start Transformation! Business Idea Competition	14 - 20.07.2023
115	Istanbul Development Agency Meeting	20.07.2023
116	Istanbul Game Entrepreneurship Academy: Gameathon Event of the 9999in1 Space Project	21.07.2023
117	Productive High School Entrepreneurship Program Final Event	23.07.2023
118	Startup Factory BIGG Acceleration Program - Preparation for Panel Presentation Mentoring Meetings	24.07.2023
119	Turkish Design Foundation Design Entrepreneurship Training	26.07.2023
120	ENERDIGIT 2023 Call National Information Day	26.07.2023
121	IDEF Fair	26.07.2023
122	Crimes Against Sexual Inviolability and the Phenomenon of Impunity	28.07.2023
123	Startup Factory BIGG Acceleration Program - İşbank Workup Panel Presentation Preparation Mentoring Meetings	31.07.2023
124	R&D Project Mentoring Program in Electricity Distribution - Mentoring Meetings	1.08.2023
125	High School Summer School Entrepreneur (Kerem Yılmaz) Session	2.08.2023
126	TOBB Carbon Platform Opening Webinar	2.08.2023
127	TÜBİTAK UK Information Meeting	2.08.2023
128	Current TÜBİTAK Calls and Tips on Project Preparation	8.08.2023
129	Sistem Global Current TÜBİTAK Calls and Tips on Project Preparation Webinar	8.08.2023
130	ICI - Multifaceted Leadership and Effective Communication Online Training	9.08.2023
131	PMP TR PGA - Chat GPT and Its Use in Project Management 1 PDU - Erol Yücel	10.08.2023
132	MEXT Visit	22.08.2023
133	NATO Diana Accelerator Program Information Meeting for Defense and Security Entrepreneurs	22.08.2023
134	SESAR 3 - Air Traffic Management Research Partnership 2023	23.08.2023
135	13. Fruitful Meetings Event	24.08.2023
136	KOSGEB Supports Webinar	24.08.2023

Number	Training/Event	Date
137	Call for Participation in Global Entrepreneurship Events Information Meeting	4.09.2023
138	Cappadocia IP Days	7 - 9.09.2023
139	Ege D-Tech Project: Training on Establishment and Development of Academic Spin-off Firms for Researchers Event	14.09.2023
140	TTO - Academicians Meeting Event	20.09.2023
141	IPA Project Market - CL2 – Physical	22.09.2023
142	EIC Pathfinder and Transition Programs Training	26.09.2023
143	9th Knowledge Multiplier Training and Workshop Event	9 - 10.10.2023
144	ÖzÜ & TÜBİTAK HEurope CL2 Info Day	12.10.2023
145	Smart Tips: Time Management & Productivity	13.10.2023
146	Horizon Implementation Day: Grant Agreement Preparation in Horizon	17.10.2023
147	Lump Sum Funding in Horizon Europe: How Does It Work?	19.10.2023
148	ICI Correspondence Law Online Training	20.10.2023
149	First Aid Training	28 - 29.10.2023
150	Face Mask Design Event	31.10.2023
151	Türkpatent - EU Geographical Indication Application Preparation	9.11.2023
152	Research Infrastructures Info Day	13.11.2023
153	Entrepreneurship with Sections from Movies	14.11.2023
154	Entrepreneurship Week - Why Didn't It Happen?	15.11.2023
155	Entrepreneurship Week - Find Your Team Member	16.11.2023
156	ERA Chairs Call Information	21.11.2023
157	Webinar - Crowdhelix Open Innovation Platform	21.11.2023
158	USIMP Fair	22 - 23.11.2023
159	Earthquake Awareness Training	23.11.2023
160	Excellence Hubs Call Information	24.11.2023
161	Project Management Training for Startups	28.11.2023
162	Artificial Intelligence and Metaverse Inventions, Türkpatent	30.11.2023
163	The Building Block of ICI Communication: Trust Webinar	1.12.2023
164	Writing a Description-Creating a Research Report Training, YALÇINER Patent	4.12.2023
165	Software Patents, Türkpatent	7.12.2023
166	ICI - Impressive Presentation Design Training	7 - 8.12.2023
167	MSCA-SE Info Event	08.12.2023
168	OC-Exclusive Training- How to Use AI-free Tools for a Successful	12.12.2023
169	TÜBİTAK ARDEB Programs Promotion Event	14.12.2023
170	Information and Document Units Industrial Property Consultation Meetings, Turkish Patent and Trademark Office	18.12.2023
171	Information and Document Units Industrial Property Consultation Meetings, Turkish Patent and Trademark Office	19.12.2023
172	Circular Economy Working Group - Burcu Balçık Meeting	20.12.2023
173	TÜBİTAK Turkey Green Industry Project	20.12.2023
174	Patent Re-examination and Evaluation Board Objections	28.12.2023
175	Preparation More Effective Presentations Training	28.12.2023

ÖzÜ TTO Team



tto@ozyegin.edu.tr



Dr. İsmail Arı

Director of Knowledge, Technology Transfer and Entrepreneurship

Dr. İsmail Arı, who is currently Özyeğin University's TTO and Entrepreneurship Director, served as the Vice President of TÜBİTAK (The Scientific and Technological Research Council of Turkey) and Deputy General Manager of Teknopark İstanbul between 2013-2018. Before these roles, he worked as an Assistant Professor at Özyeğin University in Computer Science Department and a senior researcher at Hewlett Packard Labs in Silicon Valley/USA (2004-2009). He received his PhD degree in 2004 from University of California Santa Cruz, Computer Science Department. His research areas include big data, cloud computing, and networked storage systems. He has international publications and US patents related to these topics. After joining Özyeğin University in 2009 he has received several awards and research grants including IBM Top Faculty Contributor Award, EU Marie Curie IRG (International Reintegration Grant), TÜBİTAK National Young Researcher Career Award, and Rector's Merit Award. Dr. Arı, has also been involved as a lead investigator, consultant and referee in a large numbers of industrial projects within the scope of University Industry Cooperation. Dr. Arı is a member of IEEE, ACM and a founding member of the IBM Cloud Academy.



Nazlı Ceylan

University Industry Collaboration Manager

Nazlı Ceylan obtained bachelor's degree Public Finance Department and her master's degree in Accounting and Auditing. Since 2008, she has provided consultancy services about national finance resources to many of the leading companies of Turkey. She has experience in project management and reporting of TUBITAK (TEYDEB& ARDEB), KOSGEB, Development Agencies, National Agency and Ministry projects. Additionally, she joined the "Business Development Mentoring Training" program which was funded by TUBITAK 1601 program and she is still a Mentor.



Elif Akbaş Şener, RTTP

IPR and Commercialization Manager

Elif Akbaş Şener holds a BS degree from Department of Statistics at Yıldız Technical University in 2011 and also worked as market research analyst at IPSOS during her education. After her graduation, she started to work at NoviCor Technology Partners and provided consulting services for R&D companies and entrepreneurs as Project Manager between 2011-2016. The main roles in this company were domestic and international R&D funds, project management, university-industry collaboration and relationship management in innovation ecosystem. She also focused on strategical activities to gain technology related clients like new customer visit, company promotion, management of bidding and contracting processes and to build customer relationships as Business Development Manager. In the middle of 2016, she joined one of successful start-up in the international area, EVAM Computing Consulting A.Ş. as Sales Operation and Customer Relationship Manager.



Süha Soydan

Entrepreneurship Support Programs Manager

Süha Soydan joined Özyeğin University in 2009. Prior to his current role, he served as the National Admissions Team Manager at Özyeğin University. In November 2016, he joined the Center for Entrepreneurship as Project Manager. Since 2017, he has been serving as Program Manager for the TUBITAK-funded BIGG Acceleration Program at the Fit Startup Factory. He is responsible for coordinating collective efforts to support the entrepreneurial activities of faculty, students, and alumni from Özyeğin University or other higher education institutions, and expanding collaborations in this area. He holds an M.A. in Teaching English as a Foreign Language (TEFL), a five-year BA & MA combined program in English Teacher Education, from Bilkent University. Prior to his graduation, he went on an exchange program in Austria within the scope of the Erasmus Program, and in the US with the Fulbright scholarship. He completed the Master of Arts in Business Administration at Özyeğin University and received an MBA degree in 2014.



Nevra Bulut **Grant Projects Team Leader**

She completed her undergraduate and master's degrees at Istanbul Technical University (ITU) Department of Geophysical Engineering in 2013 and 2016, respectively; and she completed her PhD at ITU Eurasia Institute of Earth Sciences in Geodynamics program in 2022. She worked as a research assistant at the Faculty of Mines and Eurasia Institute of Earth Sciences. She also visited the University of Oslo - Norway as a guest PhD researcher. And now she is a member of OzU TTO team as a specialist.



Kübra Yüksel **Event Communication and Visual Design Specialist**

Kübra Yüksel received her bachelor's degree from Istanbul Technical University, Department of Urban and Regional Planning in 2019. After her graduation, she did a digital marketing internship for a year at Earnado, which a startup. Between 2020 and 2022, she worked as a corporate communication specialist at PROPIN Property Investment Consultancy. She participated on various platforms as a freelancer content editor during and after her undergraduate education. She continues her career as Event Communication and Visual Design Specialist at OzU TTO.



Müge Erdoğan **University Industry Collaboration Specialist**

Müge Erdogan received her BSc degree in 2016 and her MSc degree in 2021 from Yildiz Technical University, Physics Department. During her undergraduate studies, she also completed the associate degree from the programme of OEF (Open Education Faculty) Laboratory and Veterinary Health at Eskisehir Anadolu University. She continues her Ph.D. studies in physics at Yildiz Technical University as of 2021. In the period 2017 - 2018, she worked at the company of Fixa Construction Chemicals (R&D section). In between 2018 and 2019 she worked at Basarili Anatolian High School as a physics teacher. In July 2019, she worked in R&D centre at the company of Hatko as an R&D specialist.



Narin Tanış **University Industry Collaboration Specialist**

Narin Tanış, received her Bachelor's degree in Geophysical Engineering from Sakarya University in 2014. She is currently pursuing her Master's degree in Environmental Engineering at Gebze Technical University. Between 2019 and 2024, she worked at Istanbul Medipol University's Technology Transfer Office and the University Industrial Cooperation Office. She joined OzU TTO team in March 2024.



Güler Çelik Karabulut **Intellectual Property Rights Specialist**

Güler Çelik graduated from Bartın University, Department of Molecular Biology and Genetics in 2018. During her high school education, she took part in the analysis department along with his internship at the Food Company Trouw Nutrition Turkey. Between 2018-2019, she worked as a Molecular Biologist at the Intergen Genetic Diagnosis Center. Within the scope of her duty, she undertook the duties of administrative affairs, organization, follow-up and taking part in R&D projects. She joined OzU TTO team in August 2019.



Feride Hande Çetintaş **Intellectual and Industrial Property Rights Specialist**

Att. Feride Hande ÇETİNTAŞ graduated from E.C.A Elginkan Anatolian High School in 2014. In 2020, she completed her undergraduate degree at Yeditepe University Faculty of Law Department. In 2020, she worked as an intern lawyer at Cott Group Company in the field of personal data protection law. In 2023, she started her master's degree with law at Maltepe University, Department of Technology and Intellectual Property Law. Between 2022 and May 2024, he worked in the Intellectual and Industrial Property Rights Unit at Sağlık Bilimleri University Technology Transfer Office (Teknopolis TTO).



Tuğçe Atik **Entrepreneurship Support Programs Specialist**

Tuğçe Atik graduated from Istanbul University with a degree in Environmental Engineering in 2014. She then worked with the construction supervision team of Emaar, a leading construction firm in the UAE, on the "Emaar Square" project in Turkey until 2017. During this time, she also completed a master's degree in "Occupational Health and Safety" at Üsküdar University. Tuğçe pursued further education in the United States and in 2018, joined Insider, a multi-channel growth management platform utilizing AI, as a "Learning and Development Specialist." Here, she played an active role in projects focused on enhancing employee adaptability and skill development. Prior to her current role at Özyeğin University's Entrepreneurship Center, Tuğçe worked as a Program Portfolio Manager at AI Business School, a SaaS technology company supporting the digital transformation of large corporations. Here, she coordinated the management of the education portfolio, content creation, and evaluation of program results.



Işıl Yeğin **Data Entry and Administrative Affairs Specialist**

Işıl Yeğin graduated from the Department of Healthcare Management at Üsküdar University in 2015. After graduation, she worked in the Administrative Affairs department at Acibadem Health Group from 2015 to 2021. Between 2022 and 2023, she served in the Administrative Affairs Department at Umur company, which operates in the paper printing sector. Throughout her career, she has undertaken facility and fleet management responsibilities at various locations and companies' factories. As of March 2024, she has joined the OzU TTO team.



TECHNOLOGY
TRANSFER
OFFICE

Address:

Özyeğin University, Çekmeköy Campus
Nişantepe District, Orman Street, 34794
Çekmeköy - İstanbul

Phone: +90 (216) 564 9085

Email: tto@ozyegin.edu.tr