



**Istanbul Gelisim  
Vocational School**



# **IGVS**

## **Monthly E-Bulletin**

**November**

**2023**

**Volume 3 / Issue 11**

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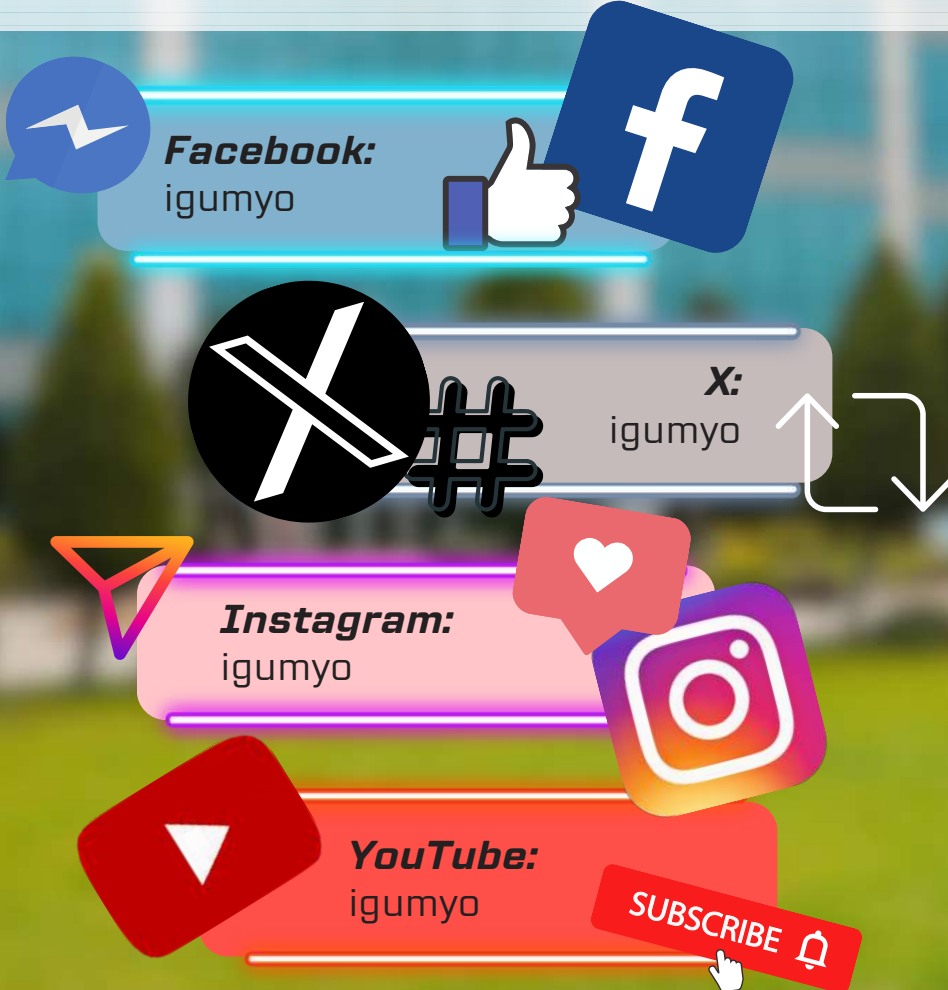


*Dear Young People,*

*Istanbul Gelisim Vocational School, which started its education life in 2008, started to publish a monthly E-Bulletin as of 2021. We are very happy to bring you the November issue of our e-bulletin and to share with you the developments in our Vocational School. I believe you will enjoy reading our bulletin and I present my greetings and respect with the hope of meeting you in a new issue.*

*You can follow all the developments in our Vocational School on our social media channels.*

*Director of IGVS  
Assoc. Prof. Lokman KANTAR*





\*IGVS E-Bulletin has been prepared according to the Turkish Higher Education Quality Council (THEQC) criteria.



# LEADERSHIP

## ACADEMICIANS FROM IGU ARE ON THE "BEST SCIENTISTS" LIST OF THE WORLD AND COUNTRIES!

Research.com, one of the world's leading research and academia portals, has announced the list of the "Best Scientists" of the world and countries. Istanbul Gelisim University academics were shown among the best scientists in Turkey and the world with their degrees in "Engineering and Technology", "Economy and Finance" and "Neuroscience".

Great success in the fields of "Engineering and Technology", "Economics and Finance" and "Neuroscience"!

Istanbul Gelisim University, which is modern, developing, producing and advancing with an understanding of quality education, stands out with its science, technology and R&D studies. According to the list created on the basis of the D-index created for the purpose of measuring, evaluating and monitoring the performance of scientists in terms of scientific productivity. 3 academicians from Istanbul Gelisim University were included in the list of "Best Scientists" with their successful work.

Istanbul Gelisim University Rector Prof. Dr. Bahri Şahin ranked 17th among 47 scientists from Turkey and 4020th in the world in the field of Engineering and Technology.

Prof. Dr. Kemal Sıtkı Türker from IGU Faculty of Dentistry achieved an important success by being 4th among 6 scientists from Turkey and 5870th in the world.

Asst. Prof. Dr. Festus Victor from the Faculty of Economics, Administrative and Social Sciences of IGU was the only scientist from Turkey to be ranked in the field of Economics and Finance, and he was ranked 1183 in the world.



# IGU's Great Success in TUBITAK 2023 Competency Map Report

Istanbul Gelisim University took place in 17 of 21 main research areas and 62 of 132 sub-research areas in the TUBITAK 2023 competency map. IGU has come to the fore among Turkish universities in terms of both quality and research intensity in 9 of the main research areas and 26 of the sub-research areas.

The fields in which our university stands out both in terms of research quality and research intensity. Its ranking among Turkish universities are given in the table below.

We thank all academic staff who contributed.

[Click](#) for TUBITAK 2023 Competency Map.

The ranking of research areas of Istanbul Gelisim University among Turkish universities in terms of quality and research intensity according to the TUBITAK 2023 Competency Map

Main Research Area	Sub-Research Area	Quality Ranking in Turkey	Research Intensity Ranking in Türkiye
Information and Communication Technologies	Information security	1	4
	Big Data	15	43
	Broadband Technologies	3	6
	Internet of Things	4	8
	Robotic	7	40
Social and Humanities	Law	1	8
	Economy	2	22
	Business Administration	4	23
	Public Administration	1	1
	Urbanization	1	27
	Mass Communication	7	45
	Politics and International Relations	1	9
	Sociology	1	24
	Transportation Rail way Systems	1	16
	Logistic	1	17
Environmental Sciences	Meteorology	1	11
	Coal	1	3
Energy	Bioenergy	15	71
	Energy Storage	2	55
	Solar energy	23	65
Physics	Statistical Physics	22	37
Aviation and Space	Aircraft Design	1	42
	Satellite and Launch Technology	3	65
Construction	Civil Engineering	3	35
Automotive	Electric and Hybrid Vehicle Technology	1	42
Basic Sciences	Mathematics	17	50





SCIMAGO  
INSTITUTIONS  
RANKINGS

# SCImago University Rankings 2023 Results

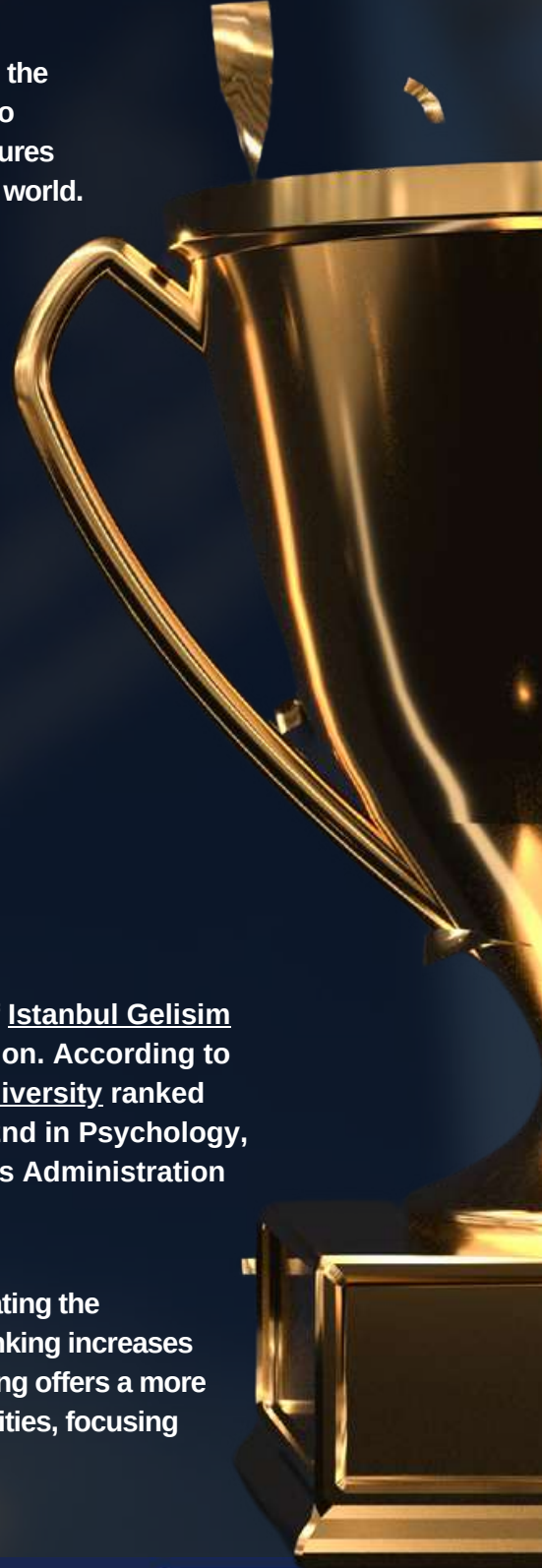
SCImago University Rankings has published its 2023 report, which ranks the research, innovation and social impacts of world universities according to percentiles. SCImago University Rankings is a ranking system that measures the social and scientific impact and innovation of universities around the world.

SCImago University Rankings aims to give a general idea about universities by measuring their performance in terms of research, innovation and social impact. The report published after the research can help students, academicians, researchers and other interested parties evaluate universities.

For students, this ranking helps them learn about the quality, effectiveness and prestige of a university in international education. For academic staff and researchers, this ranking provides information on the research activities and effects of universities in different disciplines.

The research performance of SCImago Turkey University Ranking of Istanbul Gelisim University, where multidisciplinary studies are intense, draws attention. According to the evaluation of SCOPUS research output data; Istanbul Gelisim University ranked 2nd in Law, 5th in Civil Engineering, 7th in Industrial Engineering, 32nd in Psychology, 9th in Engineering, 3rd in Environmental Science and 7th in Business Administration among the universities in Turkey.

SCImago University Ranking is very significant for measuring and evaluating the performance of universities, particularly in developing countries. This ranking increases the international recognition of universities in these countries. This ranking offers a more comprehensive perspective when measuring the performance of universities, focusing not only on research impact but also on social impact and sustainability.





### SCImago Institutions Rankings

Area	World	Middle East	OECD	Turkey
Environmental Science	630	20	352	3
Business, Management and Accounting	1096	45	759	7
Engineering	1363	45	901	9
Civil and Structural Engineering	575	22	358	5
Industrial and Manufacturing Engineering	928	41	541	7
Economics, Econometrics and Finance	1592	97	979	26
Energy	1967	146	1117	27
Computer Science	2489	164	1516	29
Social Sciences				
Law	774	22	623	2
Sociology and Political Science	1355	42	1044	12
Geography, Planning and Development	1424	81	908	16

When the data of Istanbul Gelisim University in the Evolution of the Institute are analyzed, it is seen that the investment made by the university in scientific research has increased in recent years and the quality of its scientific output has increased as well. This is very crucial in terms of increasing the academic impact and social benefit of the university. Moreover, the increase in innovation capacity and the increase in interaction with the society are among the other factors that demonstrate the success of the university.

## Significant success in the 'Accessible and Clean Energy' category from IGU!

World universities ranking organization Times Higher Education (THE) Impact Ranking was announced in 2023. In the ranking, Istanbul Gelisim University, among 1591 universities from 112 countries, achieved success by ranking 12th among Turkish universities in the "Accessible Clean Energy" category for the first time this year.

In the list of 1591 universities in the Times Higher Education (THE) 2023 ranking, the world's leading higher education rating agency based in the UK, the success of Istanbul Gelisim University (IGU) was graded in six different categories in line with the United Nations Sustainable Development Goals. IGU, which was included in the "Accessible Clean Energy" category for the first time in the Impact Ranking 2023 list, was ranked 12th among Turkish universities.



### Rated in 6 different categories categories

In the ranking carried out in line with the 17 categories determined by the United Nations within the scope of the Sustainable Development Goals (SDG), Istanbul Gelisim University was graded in 6 different categories with its studies in the field of education, innovative projects and contributions to society. IGU;

- Ranked 12th in Turkey in the SDG-7 Accessible and Clean Energy category, 201-300 worldwide,
- Ranked 12th in Turkey in the category of SDG10 Reducing Inequalities, 301-400 worldwide,
- Ranked 14th in Turkey and 401-600 worldwide in the category of SDG-8 Decent Work and Economic Growth and achieved significant success.

### "We attach importance to sustainability studies in every field"

Abdulkadir Gayretli, Chairman of the Board of Trustees of Istanbul Gelisim University (IGU), who made statements about the ranking aimed at evaluating the effects of ecological, economic and environmental sustainability practices on society according to the United Nations 17 Sustainable Development Goals, said, "We attach importance to sustainability studies in all areas, especially environmental sustainability, by adopting the Sustainable Development Goals. While implementing practices for the effective use of natural resources, we continue our prominent works on 'Energy and Climate Change' by advancing with a universal sense of responsibility within the scope of energy and waste management. Under the leadership of YÖK President Prof. Dr. Erol Ozvar, we support the fact that universities are sustainable, energy-efficient, compatible with nature and minimally damaging to the environment, and we support the introduction of energy efficiency and renewable energy applications in university campuses. The rating we get in the Accessible and Clean Energy category is therefore very valuable to us. Within the scope of the 'Zero Waste Project' in our university, we fully believe that we will take part in higher levels in the coming years with more effective execution of the waste management system, interactive activities in the fields of rain harvesting, transportation, education and research."



## "The Development of our Republic" Event

Istanbul Gelisim University Faculty of Health Sciences organized an event titled "The Development of our Republic" within the scope of the 100th anniversary of our Republic. In the event organized by the Departments of Child Development TR/ING, Audiology and Orthotic Prosthetics under the leadership of our Vice Dean Assist. Prof. Dr. A. Yüksel BARUT, topics such as the founding stages of our Republic, the hat revolution, the right to elect and be elected for women, the importance given by our ancestor to religion and religious people, the development of industry were discussed and the enthusiasm and joy of the republic were made alive again.

In the Mehmet Akif Ersoy Conference Hall, our students watched the story of the founding of the republic with a video projected on the screen, while the warm welcome of the music club marked the beginning of the event. On this meaningful day, which was attended by approximately 600 people, the hope and excitement that our young people will carry into the future was felt by everyone. At 14:00, after a moment of silence in memory of Gazi Mustafa Kemal Atatürk and his comrades-in-arms and the reading of the National Anthem, the event started with the speech of our rector Prof. Dr. Bahri ŞAHİN. Our rector emphasized the unifying power of the Republic, that our Republic was entrusted to us by Atatürk, and that we are the ones who will keep the Republic alive and take it forward, and concluded his speech with applause. One of the most important parts underlined in the event was the impact of the republic and the role of M. K. Atatürk in obtaining women's legal and political rights. Atatürk said, "As long as half of the society remains tied to the land with chains, it is impossible for the other half to rise to the skies." In the speeches expressing that the emancipation of women is important and that it is necessary to work hard to ensure that women have equal rights and equal opportunities in education, it was also stated that Atatürk's revolutions ensured the creation and rooting of the image of the woman described as "Republican Woman".

In the event, the events that Atatürk lived in history were explained in sections with his intellectual background, while the flags waved by the students of the choir with the " Dağ Başını Duman Almış " and " Onuncu Yıl Marşı " performed by the IGU Youth Choir under the conduction of Assist. Prof. Dr. Aslı KAYA received great applause from the audience. Despite Atatürk's weak and ill health, he came to the opening of the Merinos Factory in Bursa and attended the ball organized in his honor. Thinking that it would be rude to decline the invitation, Atatürk attended with all his dignity and grace. Within the scope of the Development of our Republic program, a waltz show showing Atatürk dancing Dilara BEREKETÇİ and Gökmen ŞENSES waltzed to the song 'Fikrimin İnce Gülü'. Afterwards, Dilara Bereketçi and Gökmen Şenses performed Atatürk's last dance to the folk song 'Sarı Zeybek' and at the end of the Zeybek dance, Dilara Bereketçi and Gökmen Şenses waved the Turkish flag and received great applause from the students.

[Click](#) here for the source and the rest of the news.



## Beyran Day at IGU

In the event organized by Istanbul Gelisim University Faculty of Applied Sciences Gastronomy and Culinary Arts English-Turkish departments, the origin, historical development, cultural importance and benefits of Beyran, one of the most well-known gastronomic values of Gaziantep, and all stages and tricks of making Beyran were conveyed to the participants by Ahmet Şahin, Chairman of the Board of Directors of Varil Çorba. The soup, which was prepared with the special recipe of Varil Çorba with the students in the C Block Gastronomy kitchen, was served fresh and hot to all academic and administrative staff at Istanbul Gelisim University with the participation of our Rector Prof. Dr. Bahri Şahin, the University Administrative Board, Deans and Directors in the open-air event area.

Rector Prof. Dr. Bahri Şahin presented a plaque to Mr. Ahmet Şahin, Chairman of the Board of Directors of Varil Çorba, for his participation and the event was concluded. [Click](#) here for the source of the news.

### The First Stage of the "Art on the Trail of Green" Social Responsibility Project Was Held!

"Art in the Footsteps of Green Social Responsibility Project", in cooperation with TEMA Foundation, Songül Çağışlar was hosted in the first stage of the social responsibility project, which aims to contribute to the field of ecological and sustainable art-design and to increase the environmental awareness of the society with environmentally conscious generations, by bringing recycling/zero waste issues to the agenda with an interview, making natural pigments and workshops where waste paper is transformed. The presentation took place with the theme of "Zero Waste".

Songül Çağışlar started her presentation with the introduction of the concept of "zero waste". In this context, she talked about how we can reduce waste in our daily lives, how we can consume less and how we can utilize it in different ways, and drew attention to the importance of raising awareness on this issue. He gave information about the principles of "Think, Don't Consume If Not Necessary", "Consume Less", "Evaluate, Reuse", "Change, Use for Different Purposes" and "Transform, Let Nature Win", which also cover the issues of proper use of natural resources and prevention of waste. In the context of these principles, he stated that the resources consumed during the design phase, production phase and purchasing phase of a product are much more than we can imagine. He also showed with examples that we should check which symbols are on the labels of the products we buy. Finally, he concluded his presentation by stating that some small habits that we can add to our daily lives, such as using flasks, using long-lasting bags such as cloth, using both sides of paper, using energy-saving devices, dressing according to the season and turning off the taps when we don't need them, will make a big difference on a general scale. [Click](#) here for the rest of the news.

## Turkish National Paralympic Committee Stakeholder Collaboration Panel Held

By adopting a governance approach with stakeholders, Istanbul Gelisim University is committed to the development of the university and sports sector continues to act as a bridge between Turkey and the Paralympics sector. In this context, Turkey National Paralympic Committee and para national athletes and hosted an important event.

Istanbul Gelisim University School of Physical Education and Sports hosted a panel discussion with the President of the Turkish Paralympic Committee Dr. Av. Murat Aksu, Paralympic National Athletes Hamide Doğangün (Para Athletics), Bahattin Hekimoğlu (Para Archery), Umut Ünlü (Para Swimming) and Hamza Doğan (Para Athletics) and the Head of the Department of Exercise and Sports Sciences for People with Disabilities Assoc. Prof. Taner Atasoy.

Speakers participating in the panel shared information on important issues such as the development of Paralympic sports branches in the world and in Turkey, the difficulties encountered, human resource training processes, and the latest developments in sports sciences. The discussions led to the decision to come together in future stakeholder projects.

The event contributed to the exchange of information and increased solidarity between participants and athletes. These steps taken for future cooperation projects aim to give a significant impetus to the development of Paralympic sports in Turkey. [Click](#) here for the source of the news.





# HISTORY

Istanbul Gelisim Vocational School started education in 2008 with 9 programs and became a school that forms the core of Istanbul Gelisim University. It has shown rapid development since its establishment; it has reached 19 departments, 37 programs and 10,630 students. Evening education is provided in 21 of 37 programs.

Istanbul Gelisim Vocational School continues its educational activities with its experienced and strong academic staff. In addition to the permanent instructors, by employing the leading names of the sector part-time, the students are given the opportunity to learn their practical experience in business life.

Istanbul Gelisim Vocational School, which has moved to its new campus as of the Fall Term of the 2017-2018 Academic Year, has a total of 22 workshops, including Aircraft Maintenance Workshops, Mock-Up, Kitchen, Electric, Construction, Automotive, Serigraphy, Ceramics and Fashion workshops, in its new campus so that students can apply their theoretical education practically. Besides it offers a field of application with 7 Computer Labs, one of which is MAC.

Our School's Aircraft Technology Program has the Recognized School Approval Certificate from the General Directorate of Civil Aviation (SHGM) as well as the Flight Operations Specialist Training (Dispatcher) Authorization Certificate from the DGCA. Apart from our two programs authorized by DGCA, the licensing processes for the Approved Cabin Crew Basic Training Organization Certificate for Civil Aviation Cabin Services Turkish and English Programs and the Approved Ground Handling Training Organization Certificate for Civil Air Transport Management Turkish and English Programs are continuing at the DGCA.

Istanbul Gelisim Vocational School students can benefit from the educational and social activity opportunities available in all campuses of our university without interruption.

# OUR MISSION

To equip our students in all the programs with innovations in their fields, to keep them informed of current developments, to keep this process alive with scientific activities, and to support the scientific studies of lecturers. To be the solution for the need of qualified intermediate staff with the qualifications required by the sector, to have assimilated the latest technological developments, to have developed a practical side.



# OUR VISION

Our vision is to be one of the world's leading vocational schools with qualified academic staff and all the programs recognized by international institutions and organizations, and to train students who are demanded by the market and who are all employed after graduation.



\* IGVS E-Bulletin has been prepared according to the Turkish Higher Education Quality Council (THEQC) criteria.

# EDUCATION



## NEWS FROM IGVS

### Great Leader Mustafa Kemal ATATÜRK Commemorated at IGVS

A commemoration ceremony was held at IGVS for the Great Leader Mustafa Kemal ATATÜRK on the 85th anniversary of his physical departure from us. On Friday, November 10, 2023, a commemoration ceremony was held at IGVS. The ceremony, which took place in the IGVS garden at 09.05, was accompanied by our students as well as administrative and academic staff.

We commemorate the Great Leader Mustafa Kemal ATATÜRK with love and respect on the 85th anniversary of his passing away.



# PUBLIC RELATIONS AND PUBLICITY PROGRAM VISITS İŞ BANK MUSEUM

Istanbul Gelisim Vocational School Public Relations and Publicity Program first and second year students and academicians visited the "Long Live the Republic Exhibition" exhibited in İşbank Museum on Saturday, November 11, 2023. Before starting the exhibition visit, our students participating in the visit took a souvenir photo with our program academicians.



The "Long Live the Republic Exhibition", curated by Dr. Murat KORALTÜRK and specially prepared for the 100th anniversary of the republic at the İş Bank Museum in Eminönü district of Istanbul Fatih district, was visited by our first and second year students and academicians studying in our Public Relations and Publicity Program. During the exhibition visit, the exhibition guide gave information about the exhibition consisting of various sections. In the exhibition, which started with photographs taken during the National Struggle period, our students and academicians examined the photographs and materials related to the developments in various fields such as economy, education, health, agriculture in our country during the period from the National Struggle to the first years of the Republic.

After the exhibition tour, our students continued to examine the works freely. In addition, after the exhibition, Public Relations and Publicity Program students and academicians went on a ferry trip, one of the cult traditions of the historical peninsula and Istanbul. We would like to thank all our students who participated.

# IGVS November Appointments



- Lec. Enes SUMER has been appointed as the “Lecturer” in the Foreign Trade Program of Istanbul Gelisim Vocational School of Higher Education.
- Lect. Oznur AYAZOGLU has been appointed as the “Lecturer” in the Computer Technology Program of Istanbul Gelisim Vocational School of our University.
- Lect. Metin SAHIN has been appointed as the “Lecturer” in the Computer Technology Program of Istanbul Gelisim Vocational School of our University.
- Lect. Canan YILMAZ BILGIN has been appointed as the “Lecturer” position of Istanbul Gelisim Vocational School Electrical Technology Program of our university.
- Lect. Selda BALCAN has been appointed as the “Lecturer” in the Graphic Design Program of Istanbul Gelisim Vocational School of our University.
- Lect. Mahmut Nedim TANSU has been appointed as the “Program President” to the Automotive Technology Program of Istanbul Gelisim Vocational School of our University.
- Lecturer Murat TAS has been appointed as the “Head of Program” to the Computer Technology Program of Istanbul Gelisim Vocational School of our University.
- Assist. Prof. Dr. Gufte CANER AKIN has been appointed as the “Head of Department” to the Occupational Health and Safety Department of Istanbul Gelisim Vocational School of our University.
- Oguzhan ISTANBULLU started to work as a “Gastronomy Technician” at the Directorate of Istanbul Gelisim Vocational School of our university.

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## R & D

The textbook "Gastronomy Engineering", edited by Assoc. Prof. Dr. Murat DOĞAN, of which IGVS, Food Technology Program Head Lect. Kübra SAĞLAM is the chapter author, was published by Nobel Academic Publishing.

Istanbul Gelisim Vocational School, Occupational Health and Safety Program academician Assist. Prof. Dr. Kaan KOÇALI's article titled "TOPSIS Method Application for Personal Protective Equipment Selection" was published in the field indexed "Social Sciences Studies Journal".

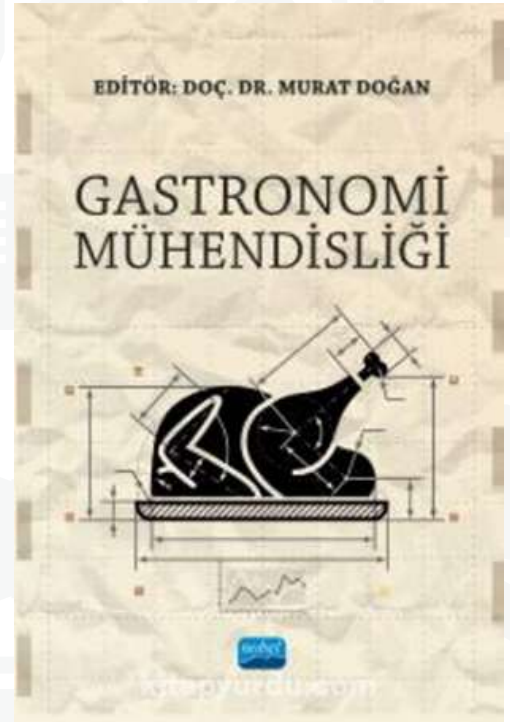
<https://dx.doi.org/10.29228/sss.71839>

The article titled " Лингвокультурологический аспект применения метафорического потенциала природы в русской литературе первой половины 19-го века (на примере произведений М. Ю. Лермонтова и И. С. Тургенева)" of Assist. Prof. Dr. Sevda POLAT, one of the academicians of IGVS, Applied Russian and Translation and Interpreting Program, was published in the journal "Black Sea Studies" indexed by ULAKBIM TR INDEX. Click here for access.

[http://www.karamdergisi.com/Makaleler/65742120\\_12-Sevda%20POLAT.pdf](http://www.karamdergisi.com/Makaleler/65742120_12-Sevda%20POLAT.pdf)

Lect. Atilla AYDIN and Assist. Prof. Dr. Duygu ÇELİK, academicians of IGVS, have written a research paper titled " THE RELATIONSHIP BETWEEN ECONOMIC GROWTH, EXPORTS AND FOREIGN DIRECT CAPITAL INVESTMENTS: AN EMPIRICAL RESEARCH SPECIAL IN TURKEY " was published in Antalya Bilim University International Journal of Social Sciences. The link to the article is below.

<https://dergipark.org.tr/en/download/article-file/3019698>





## Tübitak 2209-A University Students Research Project Success

There is 1 project accepted from the Construction Technology Program within the scope of TÜBİTAK 2209-A University Students Research Projects. Information is below:

[https://www.tubitak.gov.tr/sites/default/files/4000/2209a\\_kazananlar\\_liste.pdf](https://www.tubitak.gov.tr/sites/default/files/4000/2209a_kazananlar_liste.pdf)



Istanbul Gelisim  
Vocational School



Istanbul Gelisim  
Vocational School  
Construction Technology Program

# TÜBİTAK 2209-A

## University Students Research Projects Support Program

### Project Name

**Investigation of Earthquake Performance of the Historical  
Bayezid Waterway Aqueduct in Deterministic Approach**

**Executor: Ufuk YALÇINKAYA**  
**Project Advisor: Lect. Ahmet Yavuz ŞAHİN**



TÜBİTAK

IGVS, Head of Design Department Assist. Prof. Dr. Mustafa GÜNAY's solo exhibition "as an invited guest artist" was opened at the 7th International Education and Values Symposium hosted by Macedonia Vision University.

Assist. Prof. Dr. Mustafa GÜNAY's 15 artworks took place in the symposium organized with the contributions of Korint Publishing, International Journal of Eurasia Social Sciences, International Journal of Education Technology and Scientific Researches and International Journal of Eurasian Education and Culture on October 26-29, 2023.



Istanbul Gelisim Vocational School, Occupational Health and Safety Program academician Assist. Prof. Dr. Kaan KOÇALI's article titled "Occupational Disease Profile of Turkey: Analysis by Economic Activities and Cities" was published in the field indexed "Journal of Social, Humanities and Administrative Sciences".

<https://dx.doi.org/10.29228/JOSHAS.72063>

The paper titled "The Pivotal Role of Translation in the Spread of Anti-Communism in Turkey during the Cold War" authored by Lect. Fatma BALTA, IGVS, Head of Applied English Translation and Interpreting Program and Assoc. Prof. Dr. Müge Işıklar KOÇAK, Department of Translation and Interpreting, Dokuz Eylül University was presented at the 3rd LOTUS International Language and Translation Studies Congress hosted by Selçuk University on 03.11.2023. [Click](#) for access.

The "OPTICAL SLIDE PREVENTION SYSTEM" project developed by lecturer Ali ÇETİNKAYA in the research laboratories of our university has been suspended on the World Intellectual Property Organization (WIPO) on 09.11.2023 with the design registration number WO/2023/214946 after the application process number 2022/007331 to the Turkish Patent Institute. The average pendency period is between 4 and 6 months, and the registration certificate will be sent to our institution after the pendency process is completed on WIPO.

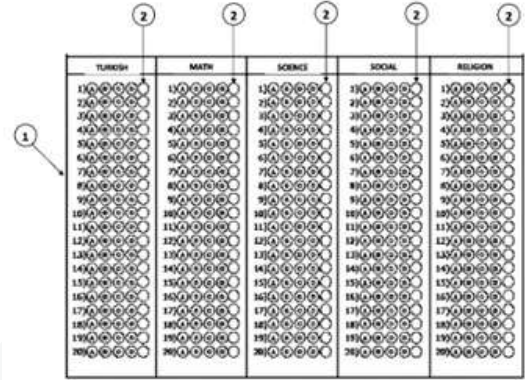


Figure-1

Summary of the invention: The present invention relates to an optical shift prevention system developed to minimize the possibility of students making mistakes when marking the answers after leaving a question blank in multiple-choice exams held at universities or other institutions. The invention is characterized in that it comprises an optical form (1) containing an empty question box (2) in which the person who has not marked any of the answer choices indicates the question to be left blank, and software capable of detecting the empty question box (2) together with the answers for reading the optical form (1) by an optical reader.

## 1. WO2023214946 - OPTICAL ANTI-SCROLLING SYSTEM

PCT Biblio. Data Description Claims Drawings ISR/WO6A/A17(2)(a) National Phase Notices Documents

Submit observation Permalink Machine translation

Publication Number: WO/2023/214946  
 Title: [EN] OPTICAL ANTI-SCROLLING SYSTEM  
 [FR] SYSTEME OPTIQUE ANTI-DEFILEMENT

Publication Date: 09.11.2023

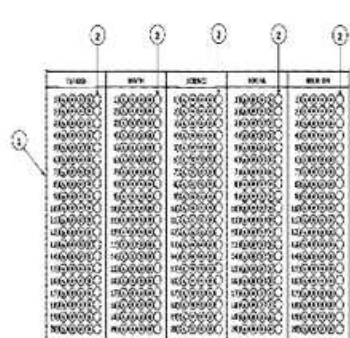
International Application No.: PCT/TR2022/00946

International Filing Date: 24.06.2022

IPC: G06K 1700 2005.1 009F 3/02 2006.1

Applicants: ISTANBUL GELISIM UNIVERSITESI (TR/1TR)  
 Changir Mahallesi Sehit Jandarma Komando  
 Er Hacıen Öner Sk. No:1, Avcılar/Istanbul, TR.

Inventors: ÇETİNKAYA, Ali



[https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2023214946&\\_cid=P20-LOSBU-16078-1](https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2023214946&_cid=P20-LOSBU-16078-1)

The paper titled "Analysis and Design of Renewable Energy Source Transformation for the Energy Needs of Industrial Companies", which was co-authored by İzzet Yavuz, lecturer of IGVS Electricity Program, was presented at the "IV-International Siirt Conference On Scientific Research" conference on 17-18 November 2023.

<https://www.umteb.com/>

The paper titled Arduino Programming with Ladder Diagram, co-authored by IGVS lecturers, was presented at the Ases International Bandırma Scientific Studies Conference held in Balıkesir on October 27-29, 2023. Author information is below:

Authors:

Lecturer İzzet YAVUZ - Istanbul Gelisim Vocational School - Electrics Program

Lecturer Kübra ERDOĞAN - Istanbul Gelisim Vocational School - Mechatronics Program

Lecturer Muhammet Cihat MUMCU - Istanbul Gelisim Vocational School - Electrics Program

Lecturer Sena Nur BENLİ- Istanbul Gelisim Vocational School- Computer Programming Program

<https://asescongress.com/bandirmakongresi/>

One of our Electrics Program lecturers İzzet YAVUZ, within the scope of Career Days organized by Şafak Schools; gave information about electric vehicles and shared the latest developments about electric vehicles. Yavuz mentioned that a green revolution has started worldwide and talked about the electric vehicle studies carried out within the Istanbul Gelisim University Technology Transfer Office. Yavuz also gave information about the sustainable future.



# SOCIAL CONTRIBUTION



*\* IGVS E-Bulletin has been prepared according to the Turkish Higher Education Quality Council (THEQC) criteria.*

## DIGITALIZATION OF ART

**Lect. Pelin Kaçar**  
**Civil Aviation Cabin Services Program**

Throughout the ages, art has been used as one of the forms of self-expression of humanity. The concept of art, which is always expected to be present in the physical world by an artist, whether visual or auditory, is undergoing a radical change thanks to the technological developments in our age. First of all, NFTs, or Non-Fungible Tokens, are digital assets created using cryptocurrencies and blockchain technology, and are a concept that completely removes the need for art to be physical. NFTs allow artists to have more control over royalties and income generation, and the right to have a continuous income through traded works. It should be emphasized here that the ownership of the NFTs being traded also changes hands, meaning that the existing rights are transferred to the buyer. Art is therefore digitally commercialized by being recorded on the blockchain, based on the principle of documenting the authenticity and ownership of the work. This situation has created a new buying and selling environment outside of traditional art galleries and auctions by bringing artists' works directly to buyers.

On the other hand, recently popular programs that enable the creation of images with artificial intelligence have opened the concept of artist to discussion. To put it simply, these programs can be defined as the creation of images by users typing in certain keywords or sentences, thanks to a very large image repository that has been processed into the database of artificial intelligence. For example, if you give the AI a command such as "workers in the fields", it will generate an image based on photos on the internet that match this description.



But if you change the command to "workers in the fields, real", the image will be more realistic. Moreover, if the command includes the words "workers in the field, real, canon", the image that the AI will present to you will not only be realistic, but it will also look like it came out of a canon camera. In other words, the more detailed a command is entered, the more detailed an image is possible. Artificial intelligence programs are not limited to producing visuals, but it is the area where infinite productivity is most evident.

When the above two points are combined, it questions both the physicality of art and the need for the artist who performs that art. Because an individual with no drawing skills can both create an image and commercialize this image with just a few words. Therefore, the following questions come to mind here: Does art only mean imagination or should the artist also have a certain talent? Or how much art can a non-physical art or an art that is not performed by an artist be art?



Görsel 1: Mikroalgler



Görsel 2: Dünya'daki İlk Biyoadaptif  
Cepheli Yapı Hamburg /Almanya

Görsel 3: Cephede Kullanılan  
Fotobiyoreaktör Paneller



# ACCURATE INVENTORY IN MARITIME

**Lect. Gökhan ÇAKICI**  
**Maritime And Port Management**

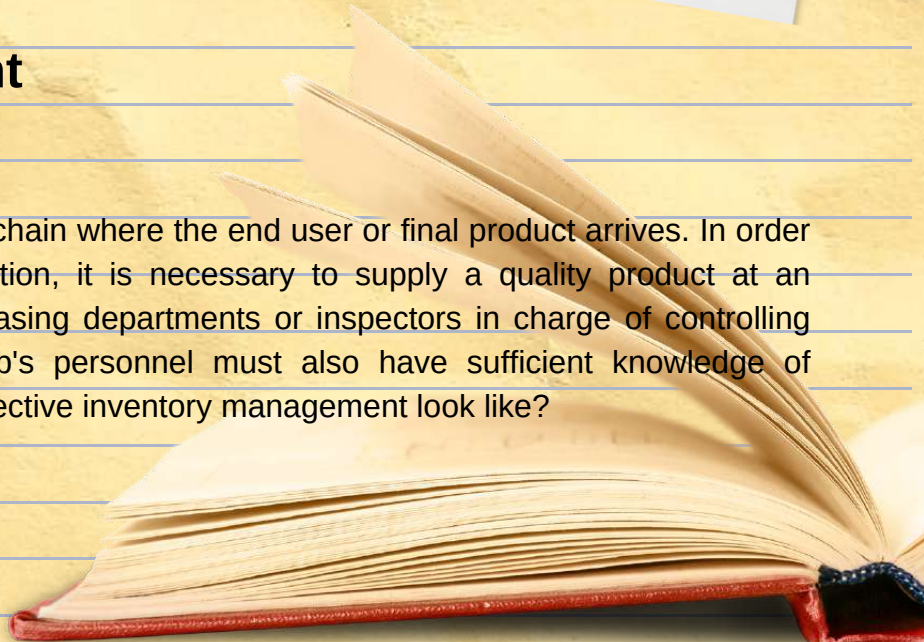
Effective and accurate inventory management is a sine qua non in the maritime industry, as it is in every sector. Inventory management is especially important on board ships due to challenging sea conditions and the fact that fast supply is not always possible. In addition, different prices for the same product in different ports of call put a lot of strain on purchasing departments. Therefore, inventory on board ships needs to be kept under constant control.

The largest item of a ship's operating cost is personnel salaries. The following costs are normally stock and spare parts costs. This cost consists of spare parts required for maintenance and repair, fixtures, equipment and expendable materials used on board. Therefore, incorrect and unnecessary material demand, high quantities of products with short shelf life, and personnel errors increase this cost.



## Inventory Management

Ships are the last stop in the supply chain where the end user or final product arrives. In order to meet needs and ensure satisfaction, it is necessary to supply a quality product at an affordable cost. In addition to purchasing departments or inspectors in charge of controlling materials and spare parts, the ship's personnel must also have sufficient knowledge of demand creation. So what should effective inventory management look like?



**1.Communication:** Communication between the ship and the company should be at the highest level, not only in terms of planning requests and inventory tracking, but also in all forms of management and as required by the International Safety Management System. As in other businesses, failures are usually caused by lack of communication. The way the ship conveys its demands to the company and the way the company conveys the demands to the ship is important. Trainings, audits, commitments, procedures, etc. and documents are important factors in minimizing the problems arising from lack of communication.

**2.Education:** Another issue that we often put in the first priority but always comes last in practice is training. As mentioned in the communication topic, training helps to prevent most mistakes and also creates awareness in the operation and ship personnel. Thanks to the trainings given to the operating personnel and the awareness gained, it ensures that the right material is purchased in the right place, sent at the right time and that high quality is achieved at minimum cost. Thanks to the trainings given to the ship personnel, it is ensured that the right request is created, an accurate and reliable inventory is kept, and unnecessary stockpiling of unnecessary material is prevented.

**3.Documentation:** Inventory records must be kept within the International Safety Management System (ISM), which is mandatory to be established on ships. In fact, the fact that the registration of some spare parts, rather than their purchase and installation, is subject to the inspection of Class organizations shows the importance of the situation. In addition, whether it is an electronic system (electronic inventory management systems) or a list of inputs and outputs on paper, businesses want to see a tracking system that reveals their situation. Such a system needs to be established for traceability and to take the right actions.

**4.Store or Stock Areas:** As important as it is to procure materials, it is just as important to store them on board. Storage areas on board are limited and not expandable. The effective use of these areas depends on the correct inventory plan.

**5.Fixture List:** In general, it is an issue that the enterprises constantly complain about and constantly request because the list is not kept on their ships. The companies give more support to the ships than necessary in terms of fixtures, especially in terms of hand tools and equipment; since this material will be used in the solution of a possible problem, its cost is ignored because it is a solution. However, this situation is unfortunately open to abuse. Examples include unconscious use of equipment, irregular storage of equipment, losses, lack of ownership and use outside its function. Keeping proper documentation together with training will prevent this situation.



# A Flight Memory

Lect. Zeynep Handan ULUKUZ  
Civil Aviation Cabin Services

I was going to fly overseas for the first time, I was very excited. I woke up early in the morning, did my make-up and hair, and while I was excited, the following thoughts came to my mind: Was the passenger flying to America different from the passengers on other flights? Were they arrogant? Were they too eager passengers? Were there more passengers with babies? I loved babies very much, sometimes there were so many passengers with babies on the eastern flights.

When one baby started crying, the other babies started crying in turn. They cried in chorus. I even saw a mulatto baby on a trip to Europe traveling with a Chinese mother and a black father; he was so cute, with slanted eyes and dark skin. The character of the babies was so evident even though they were so small that it was impossible not to see it. They were friendly and wanted to be held when you laughed a little and showed them attention. I was drinking my coffee while wondering if there would be many baby passengers on my first flight to America. When I first became a stewardess, our instructors always told us the following during basic training: "Only then will a cabin crew realize that they are cabin crew when they fly across continents."





My first trip to America was to Chicago. I was very curious about Chicago. I was going to see America for the first time. Was it like the America I had seen in the movies? Little did I know that I was going to fly to witness a historical event. Our journey to Chicago took more than eleven hours. What struck me the most on the plane was the passengers' constant desire to stand up and walk around the plane, and the fact that they got hungry right after the food service was over and asked if there were any sandwiches. On the one hand, I was thinking about what our instructors meant, and on the other hand, I was agreeing that passengers get bored on long journeys, whereas we didn't have time for rest breaks, let alone boredom. We landed in Chicago in the evening; by the time we boarded the shuttle that would take us to our hotel, we were all exhausted. This first experience was very tiring for me.

When we arrived at the hotel, we thought we would go to our rooms because we hadn't slept for 16 hours, but my cabin crew colleagues who had arrived earlier than us told us that if we slept now, we would wake up at dawn and we would be jet lagged, so we agreed to go to dinner as a team. Half an hour later, we met in the lobby of the hotel, ready to go, and our old friends took us to the pizzeria they had been to before. They were selling single slice pizzas and they were very tasty. After we ate, we walked around a bit; wide streets, nice restaurants, shops, tall buildings... Chicago was a beautiful city; when we returned to the hotel, we were about to pass out from exhaustion and we went to our rooms. I fell asleep as soon as I entered the room.

I woke up early in the local time. When we met the crew for breakfast, we were gathered at a long table as the crew of the Airbus 340 aircraft; at that time, a huge TV was on in the lounge where we were having breakfast and we were at the end of breakfast. While we were drinking our coffee, we watched the two planes crash into the twin towers of the World Trade Center in New York, we were all surprised. We also watched the collapse of the towers. All the news channels were broadcasting this news. So, on my first duty flight to America, I had witnessed an act of terrorism that would leave a mark on the history of the world. Approximately 2600 people had lost their lives and we stayed in Chicago for 6 days when normally we should have stayed for 2 days because the entire US airspace was closed. Every day we were watching the news, asking our supervisor when we would be back and wandering the streets of Chicago. We were both disturbed by the events and sad for the people who died.

Finally, the US airspace opened and we were on our way back. There was a detailed security search at the airport and I realized that after September 11, 2001, nothing would be the same in the history of aviation. We were young, inexperienced, but terror and death were so close to us. Our return journey was also long and as we were descending to Istanbul Atatürk Airport, I remembered what our instructor had said during the training... Yes, on long flights you learn patience, you learn to act more professionally and most importantly you grow...

A stewardess' memoir ...

To commemorate 24 years,

Best regards...

CLUBS

TALK!

NATIONAL DEFENSE  
TECHNOLOGIES CLUB

## WHO ARE WE?

As the National Defense Technologies Club, we were established at TR Istanbul Gelişim University on 17.10.2021 with the aim of explaining the National Technology Move, teaching the projects to the youth of our university, learning about the projects on site by visiting the R&D centers of companies operating in the field of defense industry and producing projects that will contribute to the National Technology Move.

## OUR MISSION

To teach the projects, leading names and companies in the field of defense industry to the youth of our university. To produce projects that will contribute to the National Technology Move.

## OUR VISION

As the National Defense Technologies Club, to ensure that TR Istanbul Gelişim University is a pioneer and locomotive university in the field of National Technology Move.





## OUR STAKEHOLDERS



# TURKISH AIRLINES



EKOLOOD





SİVİL HAVACILIK  
GENEL MÜDÜRLÜĞÜ



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