



**Istanbul Gelisim
Vocational School**



IGVS

Monthly E-Bulletin

February

2025

Volume 5 / Issue 2

myo.gelisim.edu.tr



Dear Young People,

Istanbul Gelişim 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 February 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



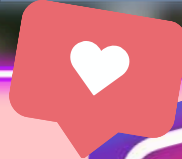
Facebook:
igumyo



X:
igumyo



Instagram:
igumyo



YouTube:
igumyo

SUBSCRIBE



THE GREAT LOSS OF OUR ACADEMIC COMMUNITY

The esteemed lecturer of IGVS, Civil Aviation Cabin Services Program, Zeynep HANDAN ULUKUZ, passed away on the evening of February 14, 2025.

Our dear lecturer's funeral was carried on the shoulders of our university's academic staff and her beloved students, accompanied by all her colleagues with whom she had flown side by side for nearly 25 years at Turkish Airlines, as she was tearfully bid farewell on her eternal journey.

The sudden passing of our lecturer has left us all in deep shock and grief. Despite the harsh winter conditions, the large crowd attending the funeral painfully showed us how much our "Zeynep Hoca" was loved.

On this sorrowful day, we extend our deepest gratitude and appreciation to our university's Secretary General, Assoc. Prof. Dr. Serdar EGELİ, who personally attended the funeral, our IGVS Director, Assoc. Prof. Dr. Lokman KANTAR, who stood by our side throughout the burial at Silivri Cemetery, Hava-İş Union Representative, Mr. Arda ERSÜMER, who not only sent a wreath on behalf of the union but also honored us with his presence, as well as all our students, academic staff, and all our fellow captains, cabin chiefs, and cabin crew members who have served or are still serving at Turkish Airlines.

"Another angel has fallen from the sky." This sentence perfectly describes our "Zeynep Hoca", for she was an angelic person who always made an effort never to hurt anyone and remain gentle in every situation. She was a helpful, kind, polite, and understanding person – I had the privilege of knowing her closely during our years of working together.

We have not only lost a fellow aviator or a lecturer; we have lost a dear friend who was such an angel. On this occasion, I once again pray for Zeynep Handan ULUKUZ to rest in peace and extend my deepest condolences, wishing patience and strength to all her relatives and friends.

Head of the Civil Aviation Cabin Services Program
Lecturer Remzi SIZAN



*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.





SCIMAGO
INSTITUTIONS
RANKINGS

SCImago 2024 results have been announced: IGU is in the top 5 in the field of research!

The results of "SCImago University Rankings 2024", which ranks the scientific research, innovation and social impacts of world universities according to SCOPUS publication and citation data, have been announced. Standing out with its work in research areas, Istanbul Gelisim University ranked 5th among Turkish universities in the field of research and 25th in all fields. It attracted attention with the results it received in the categories of Economy, Environmental Science, Business Administration, Energy, Social Sciences and Engineering.

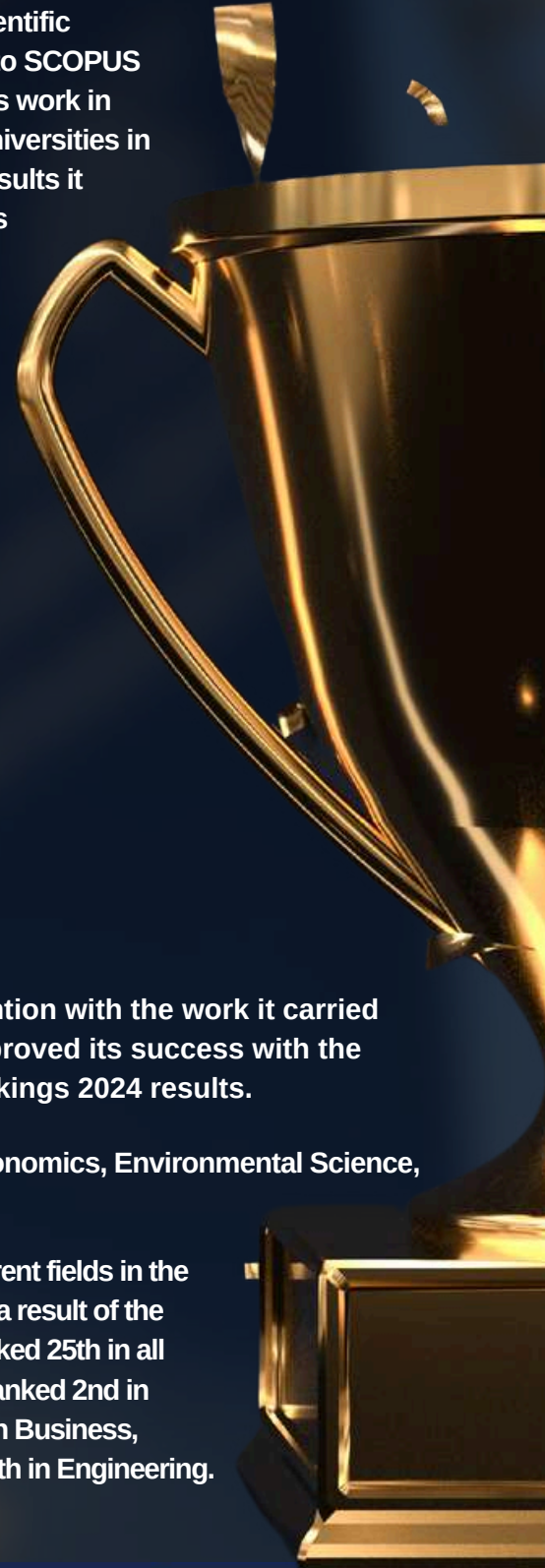
The results of "SCImago University Rankings 2024", which measures the social, scientific impact and innovation of universities around the world, have been announced. Aiming to give a general idea about universities by measuring their performance in terms of research, innovation and social impact, SCImago University Ranking helps students obtain information about a university's education quality, effectiveness and prestige.



Proceeding with the vision of "World University", IGU attracted attention with the work it carried out for its students and the opportunities it provided. It once again proved its success with the degrees it received in different fields in the SCImago University Rankings 2024 results.

Remarkable success among Turkish universities in the categories of Economics, Environmental Science, Business Administration, Energy, Social Sciences and Engineering!

Istanbul Gelisim University draws attention with its research studies in different fields in the 2024 results of SCImago, one of the university evaluation organizations. As a result of the evaluation made on SCOPUS research data, Istanbul Gelisim University ranked 25th in all fields and 5th in the field of research among Turkish universities. IGU also ranked 2nd in Economics, Econometrics and Finance, 4th in Environmental Science, 7th in Business, Management and Accounting, 8th in Energy, 13th in Social Sciences and 14th in Engineering.



IGU achieved great success by being in the 1001-1200 rankings in THE World Universities Ranking 2025

THE
TIMES
HIGHER
EDUCATION



Istanbul Gelisim University has achieved great success by ranking in the top 500 in the field of Research Quality in the list of THE World Universities Ranking 2025, which includes many well-established institutions such as Oxford University, Massachusetts Institute of Technology (MIT) and Harvard University.

Times Higher Education (THE), the London-based international higher education rating agency, announced the World University Rankings for 2025. The ranking was evaluated with the criteria of Education, Research Environment, Research Quality, Industry and International Outlook between 2019-2023. In this process, those who met various criteria from approximately 40,000 universities worldwide were included in the ranking. While there are more than 2,000 institutions in this ranking, Türkiye has achieved a historical success by being represented by 91 universities. In addition, 12 Turkish universities were included in the top 1000.

IGU, which achieved a significant success in the World Universities Ranking 2025, was ranked in the 1001-1200 in the world in general rankings, being 13th among Turkish universities and 8th among foundation universities.

IGU, which ranks 473rd in the world with Research Quality field, was listed as the 3rd among Turkish universities and as the 2nd among foundation universities. In the field of International Outlook, it ranked 596th in the world, and 5th in Türkiye. The success of IGU in the rankings shows the university's commitment to high-quality education and research and its compliance with international standards. IGU, which advances to the vision of the world university, takes firm steps towards becoming a globally recognized university by supporting its research activities while providing an innovative and contemporary education to its students.



"This achievement is not only a ranking; it is also a reflection of our understanding of academic excellence and innovative education"

Istanbul Gelisim University Rector Prof. Bahri Şahin: *"As Istanbul Gelisim University, we are proud to be among the top 500 universities in the field of Research Quality in the Times Higher Education (THE) World Universities Ranking 2025. The fact that we are ranked 8th among the foundation universities in Turkey by being in the 1001-1200 in the general rankings in the international arena is a result of the intense efforts and dedication we carry out together. This achievement is not only a ranking; it is also a reflection of our understanding of academic excellence and innovative education. Our vision is to provide our students with the highest quality education, making them individuals who can compete on a global level. We aim to be a pioneer in knowledge production with our studies in the field of research and innovation. I would like to thank all our academicians and stakeholders of our university who contributed to achieving this success. We will continue to work to achieve many more achievements that will strengthen the presence of IGU in the international arena by continuing to move forward with determination to achieve larger goals in the future."*

Commenting on Türkiye's success in the Times Higher Education (THE) 2025 World University Rankings, THE Global President Phil Baty stated, *"The increase in the number of Turkish universities in the top rankings is an indication that Türkiye has made rapid progress in terms of research and education quality. It is really great to observe this and we think it will go higher in the rankings of universities."*

IGU has risen 23 places in the overall ranking!

According to the results announced by Round University Ranking (RUR), one of the institutions ranking universities in the world, Istanbul Gelisim University rose 23 places in the world with 1099th. IGU, on the other hand, ranked 48th among universities in Türkiye and 18th among foundation universities.



Continuing to progress with the vision of "World University", Istanbul Gelisim University (IGU) has achieved a significant success in the international arena and increased its place in the RUR 2024 World Universities Ranking by 23 steps compared to last year. According to the list published by the RUR Rankings Agency for 15 years, IGU ranked 48th in Türkiye and 18th among foundation universities in Türkiye this year.

Round University Ranking (RUR), one of the prestigious organizations ranking world universities, announced the results of 2024. RUR, which evaluates the leading universities around the world according to a total of 20 indicators under the headings of teaching, research, international diversity and financial sustainability, bases its ranking on certain criteria. When determining the scores of universities, teaching and research dimensions are reflected in the total score as 40 percent, and international diversity and financial sustainability indicators are reflected in the total score as 10 percent.

According to the ranking explained in the indicators of Teaching, Research, International Diversity and Financial Sustainability, IGU ranked 1113th in the world in the 'Teaching' indicator and 15th among foundation universities in Türkiye. While maintaining its place in the 'Research' indicator last year, it ranked 1017th in the world ranking and 16th among foundation universities by increasing its score. IGU, which achieved global success with its internationalization strategies, continued its success in the 'International Diversity' indicator and ranked 730th in the world and 16th among the foundation universities in Türkiye, while it ranked 1106th in the world and 16th in the foundation universities in the 'Financial Sustainability' indicator.

YÖK evaluated universities: IGU ranked 1st in 3 categories

The "University Monitoring and Evaluation General Report-2024" prepared by the Council of Higher Education (YÖK) was published. Istanbul Gelisim University (IGU), which stood out in 6 fields last year, stood out in 10 fields this year with its studies. While IGU was at the top with its studies in the field of water saving investment and energy efficiency investment per the amount of water consumed in the "Sustainability" category, which is one of the evaluations made by the Council of Higher Education, it maintained its 1st place as the university with the most accredited undergraduate programs.



The "University Monitoring and Evaluation General Report-2024", in which the Council of Higher Education evaluated 201 universities in Turkey according to 64 different indicators, was published. Istanbul Gelisim University (IGU) ranked 1st in the university category, where the use of energy efficiency investment and water saving investment per the amount of water consumed was the highest. IGU, which took firm steps towards internationalization, maintained its 1st place as the university with the most accredited undergraduate programs among both state and foundation universities.

IGU entered the rankings in 10 different indicators in 4 different categories

Istanbul Gelisim University, which proceeds with the vision of "Research University", ranked 6th in the category of "applied patent, useful model or design" in the field of "Research-Development, Project and Publication" according to 2024 data, and 13th in the category of "Field-weighted citation impact". In the "University Monitoring and Evaluation General Report-2024"; IGU, which is the 1st university with the most accredited undergraduate programs in the field of "Education and Training", ranked 3rd in the "Number of E-Resources" category.

Advancing with the vision of the world university, IGU ranked 5th in the category of "Number of international doctoral academicians employed" in the field of "Internationalization", 9th in the category of "Number of international students" and 11th in the category of "Number of students participating in exchange programs".

Success in 3 different indicators in the sustainability field!

Istanbul Gelisim University, which attaches importance to sustainability studies in all areas, especially environmental sustainability by adopting the "Sustainable Development Goals", once again emphasized the importance it attaches to the practices for the effective use of natural resources as the 8th in the category of "Direct carbon footprint per capita" as well as its first place in the categories of "energy efficiency investment use" and "water saving investment per amount of water consumed" in the field of "Sustainability" in the 2024 report.



"We act with a strong spirit of cooperation to shape the future"

Istanbul Gelisim University Rector Prof. Bahri Şahin underlined the success of IGU in 10 fields in the University Monitoring and Evaluation General Report-2024, which maintains its 1st place as the university with the most accredited undergraduate program among both state and foundation universities. Prof. Şahin also added: We are proud of the studies we have carried out on many issues such as rapidly developing technology, climate and environmental problems, global conflicts, changes in social needs, employment and economic crises, which YÖK President Prof. Erol Özvar said these are the issues that higher education will seek solutions in the coming period. As a university, we adopt the United Nations Sustainable Development Goals with the aim of leaving a more livable world for future generations. Sustainability is critical not only for the world, but also for humanity, and achieving this goal is a shared responsibility of all of us. In this regard, we aim to develop innovative solutions and increase social benefit by giving special importance to our education and research activities. We act in a strong spirit of cooperation to shape the future."

The New Supporter of Academic Projects: The “ProUD” Platform Has Been Introduced!



The launch of the ProUD platform, initiated by the Scientific Research Projects (BAP) Coordination Unit of Istanbul Gelisim University (IGU), took place at the university's campus with a widely attended event. Developed to support academic and institutional development, the ProUD platform aims to strengthen the university's vision in the fields of science and research.

The platform, with a 50% acceptance rate for TÜBİTAK projects, provides students with opportunities to learn about projects in various fields, participate in them, and share their own projects, aiming to place young researchers at the center of scientific studies.

The event was attended by the Chairman of the Board of Trustees, Abdulkadir Gayretli; Rector Prof. Dr. Bahri Şahin; Vice Rectors Prof. Dr. Necmettin Maraşlı, Prof. Dr. Nuri Kuruoğlu, and Prof. Dr. Arda Öztürkcan; BAP Coordinator Dr. Serap Yeşilkır Baydar; Assistant BAP Coordinator Dr. Sibel Zengin; as well as the university's academics and students.

IGVS Director Assoc. Prof. Lokman KANTAR and Lect. Ahmet Yavuz ŞAHİN from the Construction Technology Program were among the academics who were presented with certificates of appreciation. We congratulate our professors and wish them continued success.

Click [here](#) to access the rest of the news.

IGU TEKMER participated in TUBITAK Horizon Europe Information Day

Istanbul Gelisim University (IGU) TEKMER participated in the "TUBITAK Horizon Europe Information Day" event held within the body of Entertech Istanbul Technopolis together with entrepreneurs, academicians and relevant units of the university. At the event, where the funding opportunities and support mechanisms of the European Union within the framework of the Horizon Europe Programme were introduced, the participants gained important information.

In the participation organized under the leadership of [IGU TEKMER](#), Scientific Research Projects Coordinator Asst. Prof. Serap Yeşil kır Baydar, Erasmus Office official Alisa Aliyev, entrepreneurs and academics took part. Within the scope of the event, detailed information was provided about the call programs of European Innovation Ecosystems (EIE), European Innovation Council (EIC) and European Institute of Innovation and Technology (EIT).



In the event, Hülya Dağöttüren, the owner of "Umayana", one of the successful examples in the entrepreneurship ecosystem under the title of "Success Stories in the Funding Journey", shared her own experiences. Dağöttüren's experiences in the fund processes have been a guide for entrepreneurs.

While the opportunities and support mechanisms offered by the Horizon Europe Program continue to contribute to the innovation and entrepreneurship ecosystem, Istanbul Gelisim University TEKMER continues to encourage the participation of entrepreneurs and academics in these processes.

Click [here](#) to access the news source.

IGU Asst. Prof. Mert Yıldırım's invention was registered by TURKPATENT!

Istanbul Gelisim University (IGU) Faculty of Engineering and Architecture Department of Industrial Engineering faculty member Asst. Prof. Mert Yıldırım has achieved a significant success. Yıldırım's invention numbered 2023/004775 titled "Production method of smart composite material with high performance properties containing nanocellulose and nickel-titanium alloy" was registered as an inspected patent by the Turkish Patent and Trademark Office (TURKPATENT). The invention gained patent rights to be valid for 20 years.

Yıldırım's invention includes the production method of intelligent composite material including microcapsules used to stop the progression of microcracking and shape memory alloy with self-healing mechanism. With its high performance properties, this material has a great potential, especially in engineering and industrial fields.

Click [here](#) to access the news source.





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

Tourist Guiding Students Visit Kariye Mosque

IGVS Tourist Guiding Program students visited the Kariye Mosque under the guidance of Lect. Senay BOZ within the scope of the History of Religions course. The trip was organized to reinforce students' knowledge of the history of religions and cultural heritage.



During the visit to the unique building, which is one of the most important religious buildings of the Byzantine period (Khora Church) and today serves as the Kariye Mosque, students gained detailed information about the architecture, mosaics and iconographic elements of the building. In particular, the mosaics and frescoes that shed light on the history of Orthodox Christianity and the scenes depicting the lives of Mary and Jesus Christ were carefully examined. Mert KERSE and Emirhan ŞANLI, who are professional tourist guides and also our graduate students, accompanied the trip and shared their knowledge and professional experiences with our students.

Tourist Guide Program held Emergency and First Aid Practices seminar

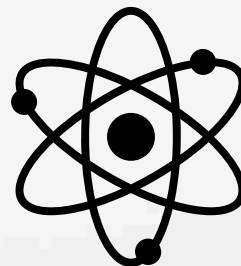
Emergency and First Aid Practices seminar for IGVS Tourist Guiding Program students was held on 6 January 2025. Within the scope of the Introduction to Tourist Guiding course, Dr. Mehmet Can SİNCAR explained to our tourist guide candidates how to perform adult, child and infant first and emergency treatments.



Assist. Prof. Kaan Koçali Visited Technische Universität Braunschweig



IGVS Occupational Health and Safety Program academician Assist. Prof. Kaan KOÇALI made a campus visit to Technische Universität Braunschweig in Hannover, Germany between 28-31 December 2024 and made on-site observations.





IGVS February Appointments



Lect. Adnan Kürşat TEKE has been appointed as "Program Head" to the Computer Programming (English) Program of the Istanbul Gelisim Vocational School.

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



R & D

IGVS, Web Design and Coding Program Lecturer. Assist. Çisem YAŞAR's co-authored paper titled "Design And Analysis Of A Manageable Web-Based System For The Hairdresser Services Sector" has been accepted and presented orally at the INTERNATIONAL 10th SOCRATES CONGRESS OF HEALTH, ENGINEERING AND APPLICABLE SCIENCES.



IGVS, Web Design and Coding Program Lecturer. Assist. Çisem YAŞAR's co-authored paper titled "Web-Based Education Platform Development: System Analysis And Design" was accepted and presented orally at the INTERNATIONAL 10th SOCRATES CONGRESS OF HEALTH, ENGINEERING AND APPLICABLE SCIENCES.

Istanbul Gelisim University Met with the Sector at Expomaritt Exposhipping Istanbul 2025

Expomaritt Exposhipping Istanbul 2025, one of the biggest events of the maritime industry in Turkey, was held at the Istanbul Expo Center between February 18-21. Istanbul Gelisim Vocational School (IGVS) Marine and Port Management Program took part in this fair, which brought together industry leaders, experts and professionals from all over the world.

Istanbul Gelisim Vocational School, which makes a difference in maritime education, aimed to introduce both its academic knowledge and the innovative approaches that its students bring to the sector in this event. While the department's stand provided information about developments in the sector and career opportunities, students also had the chance to make important contacts for international collaborations and new projects thanks to the opportunities offered by the fair.

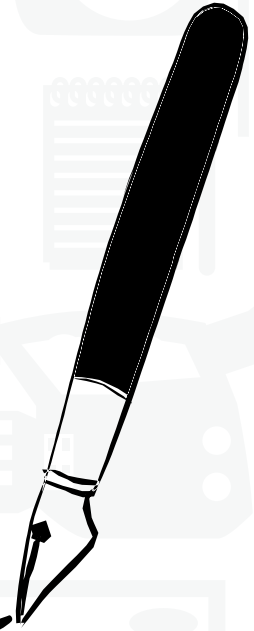
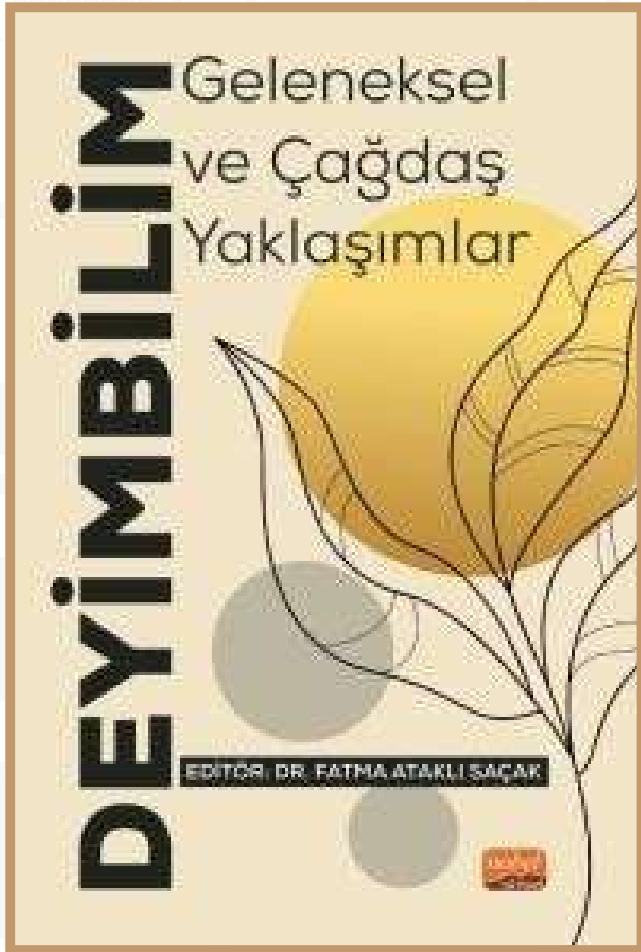
This year, the main theme of the exhibition, "Growing Together: Today and Tomorrow", shed light on the transformation of the maritime industry in critical areas such as sustainability, digitalization and new technologies. In addition, the Career Platform organized during the fair brought together young talents and industry representatives, paving the way for new employment opportunities. Istanbul Gelisim University took an active role in this platform with its students.

Expomaritt Exposhipping Istanbul 2025, where a wide range of products and services from the latest technologies of the maritime industry to logistics solutions, from shipbuilding and maintenance services to electronic navigation systems were exhibited, offered a unique opportunity for students and academics of Istanbul Gelisim Vocational School to access sectoral information and expand their professional networks.



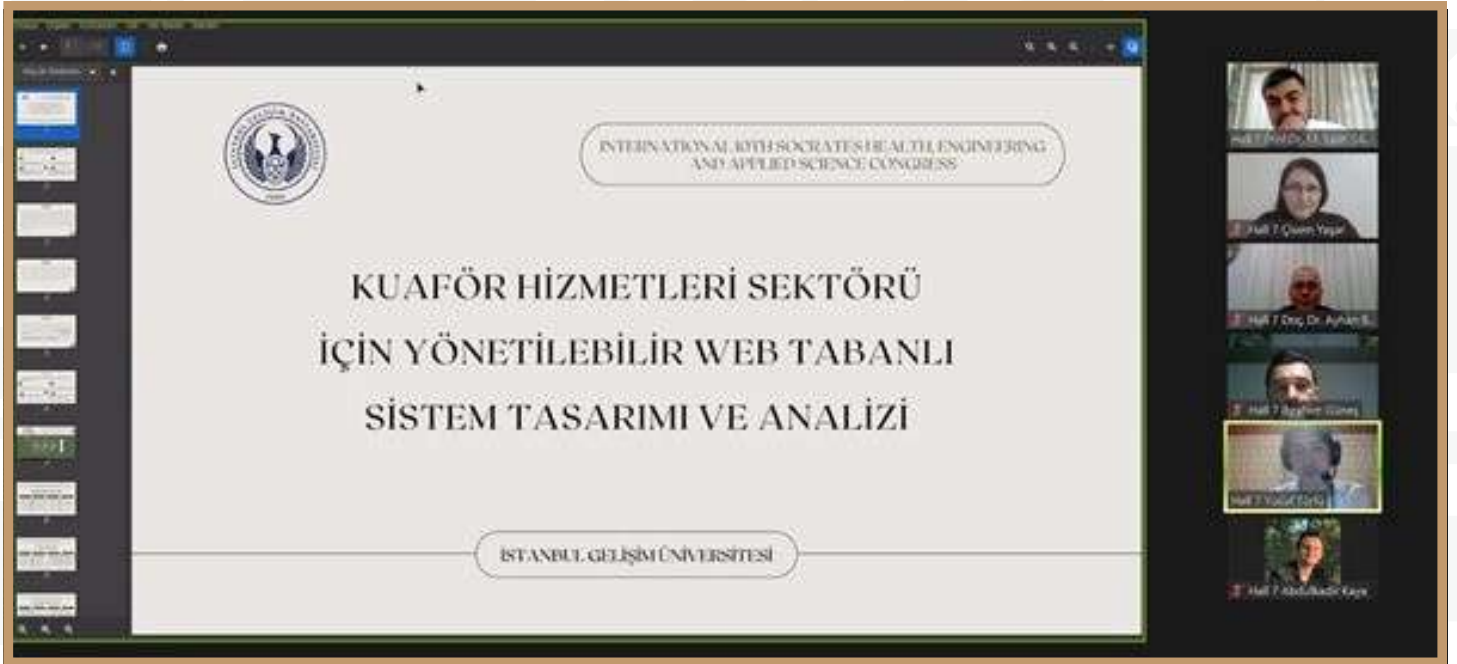
IGVS Applied Russian Translation and Interpreting Program lecturer Emrah ÖZCAN contributed to the book "Idiomology - Traditional and Contemporary Approaches" published by Nobel Academic Publishing under the editorship of Fatma ATAŞAKLI SAÇAKLI as the author of the chapter titled "Translation of Idioms".

The article titled "Occupational Health and Safety Risk Assessment for Entrepreneurs" by Asst. Prof. Kaan Koçali, one of the academicians of IGVS, Occupational Health and Safety Program, was published in the field-indexed European Journal of Managerial Research (EUJMR). [Click](#) to access.



Web Design and Coding Program Students Made Oral Presentations at the 10th International Socrates Health, Engineering and Applied Science Congress

In the Web Design and Coding program, the projects prepared by the students within the scope of the System Analysis and Design course taught by Lect. Çisem YAŞAR, were accepted and presented as an oral presentation at the International 10th Socrates Health, Engineering and Applied Science Congress. The congress was held under the coordination of the President Assoc. Prof. Dr. Cafer BUDAK and the Chairman of the Organizing Committee Assoc. Prof. Dr. Seçil KARATAY.



Lect.Çisem YAŞAR, Arda BALLIKAYA, Eray ERTAN and Yusuf TÜRLÜ - "Design and Analysis of a Manageable Web Based System for Hairdresser Services Sector". In this study, a manageable web-based system is proposed for businesses operating in the hairdressing services sector. The designed system is comprehensively discussed and analyzed to solve the existing problems in the sector. Fishbone Diagram (Ishikawa Diagram) was used to define the problem and possible causes were identified. In the planning phase, the strengths, weaknesses, opportunities and threats of the system were evaluated by SWOT analysis method. In addition, a flow process diagram (algorithm) and an entity-relationship diagram (ERD) were created during the analysis phase of the system. This manageable web-based system aims to solve the problems encountered in the hairdressing services industry. The system was developed using HTML, CSS, JavaScript and PHP programming languages and PhpMyAdmin platform was used for database management.

Lect.Çisem YAŞAR, Abdulkadir KAYA, İsmail HIZ and Ozan Eren KAYA - “Web Based Education Platform Development: System Analysis and Design”. In this study, we propose a web-based educational platform where individuals can follow the course content, take notes on important points and display their projects. In addition, the platform aims to bring users together with employers through the projects they create. HTML, CSS and JavaScript technologies were used in the development of the web-based training platform. During the design process of the platform, the problems encountered were analyzed using Fishbone Diagram (Ishikawa Diagram). In the planning phase, the platform's strengths and weaknesses, opportunities and threats were assessed through SWOT analysis. In the analysis phase of the platform, a flow process diagram (algorithm) and an entity-relationship diagram (ERD) were created.



We would like to express our gratitude to the Head of the Department of Computer Technologies of Istanbul Gelisim Vocational School, who always supported us and did not leave us alone Lect. Tuğba SARAY ÇETİNKAYA, session chair Prof. Dr. Mehmet Salih SAYAR and all other professors in the session.

The presentations made by our students were extremely good, both in terms of their depth of knowledge and their presentation skills. Our heartfelt congratulations on your efforts and achievements. We wish you success in your future endeavors.

SOCIAL CONTRIBUTION



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

Green Purchasing Behavior

Assist. Prof. Gonca YILMAZ
Foreign Trade Program

Today, the concept of sustainability is gaining more and more priority in the procurement policies of governments. The green purchasing approach is not limited to the preference for environmentally friendly products and services, but encompasses a holistic process that starts from the production stage of products and services and includes consumption, utilization and waste management. The spread of this approach supports the green economy and contributes to the development of sustainable business areas. Therefore, environmentally friendly purchasing policies have significant implications not only for ecological but also for socio-economic development.

For example, the OECD report "Going Green: Best Practices for Sustainable Procurement" emphasizes the need for governments to consider not only cost and functionality but also environmental sustainability in their procurement decisions.



Green products are defined as products that do not harm the environment, do not overexploit natural resources and are recyclable or have sustainable value. As Moisander (2007:2) states, some of the main characteristics of green products are as follows:

- It should not be harmful to human and animal health.
- It should not cause environmental damage in production, use and disposal processes.
- It should not cause excessive consumption of energy and resources.
- It should not encourage the use of unnecessary packaging and should not increase the amount of waste due to its short life span.
- It should not make use unnecessary or cause practices that harm animals.
- It should not contain chemicals and materials that are harmful to the environment.

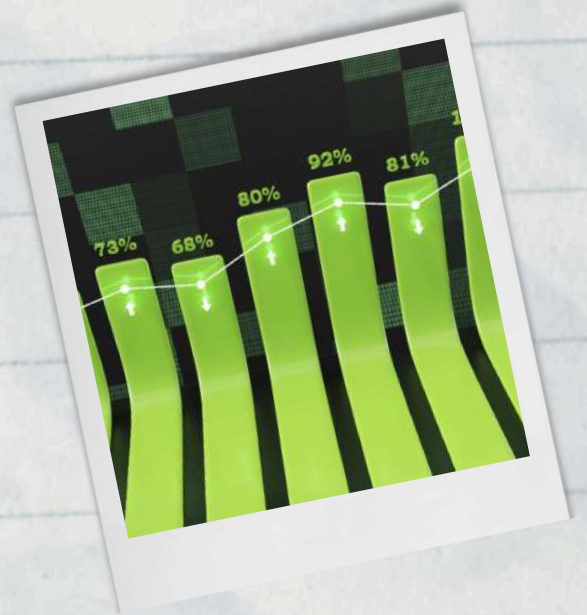


Individuals who consider environmental impacts in their purchasing and consumption habits and prefer sustainable and environmentally friendly products are considered green consumers. These consumers aim to protect not only their own health but also the health of others and avoid products with environmentally damaging production processes. Elkington (1994) defines a green consumer as an individual who avoids products that may harm both their own and others' health, negatively affect the environment in the production and consumption process, consume excessive energy and cause unnecessary waste production. Green consumers are seen as individuals who not only prefer environmentally friendly products but also try to contribute to the ecological balance by adopting a sustainable lifestyle. They are conscious consumers who recognize that the responsibility for protecting the environment does not only belong to governments, businesses or scientists, but that they also bear an important responsibility at the individual level.

Green purchasing behavior is a conscious consumption process in which consumers shape their purchasing decisions by considering environmental impacts and prefer products and services that cause less harm to nature. This behavior is not limited to individual consumers, but also includes corporate and public procurement. While green purchasing includes preferring recyclable and biodegradable products that reduce energy and natural resource consumption, it also encourages the support of companies that adopt environmentally friendly production processes. This behavior aims to protect the ecological balance in line with sustainable development goals and is considered to be directly related to the green economy. Green consumers make purchasing decisions not only based on traditional factors such as price and quality, but also by considering the environmental impact of products. The main factors affecting green purchasing behavior include environmental awareness, sense of social responsibility, ecological concerns and individuals' tendency to adopt a sustainable lifestyle.

References

- Çabuk, S., & Keleş, C. (2008). Tüketicilerin yeşil ürün satın alma davranışlarının sosyo demografik değişkenler açısından incelenmesi. Çukurova Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, 17(1), 85-102.
- Elkington, J. (1994). "Towards the Sustainable Corporation: Win-Win-Win Business Strategies for Sustainable Development." California Management Review, 36(2), 90-100.
- Moisander, J. (2007). "Motivational Complexity of Green Consumerism." International Journal of Consumer Studies, 31(4), 404-409.
- Peattie, K. (1992). Green Marketing. London: Pitman Publishing.
- OECD (2022). Green Transition: Best Practices for Sustainable Procurement. Paris: OECD Publishing.
- Ottman, J. (2006). The New Rules of Green Marketing: Strategies, Tools, and Inspiration for Sustainable Branding. Berrett-Koehler Publishers.
- <https://www.isoyesilblog.com/satin-almatercihlerinde-surdurulebilirlik-one-cikiyor/>



The Future of Electric Vehicles and Charging Infrastructure

Lect. Izzet YAVUZ
Electrics Program

Today, the risks of global warming and the depletion of fossil fuels have directed the transportation sector toward more sustainable solutions. In this context, electric vehicles (EVs) have gained significant momentum as environmentally friendly alternatives. However, for electric vehicles to become widespread, it is crucial that the charging infrastructure reaches a sufficient level. This article will examine the future of electric vehicles and the development of charging infrastructure.

The Rise of Electric Vehicles



The popularity of electric vehicles is rapidly increasing due to government incentives, advancements in battery technology, and growing environmental awareness. Major automotive companies such as Togg, Tesla, Nissan, Volkswagen, and others are developing electric models that produce significantly lower carbon emissions compared to internal combustion engine vehicles. According to data from the International Energy Agency (IEA), it is expected that by 2030, more than 250 million electric vehicles will be on the roads worldwide[1].

Developments in Charging Infrastructure



One of the biggest obstacles to the widespread adoption of electric vehicles is the inadequacy of charging infrastructure. Currently, the number of charging stations is quite limited compared to the gas stations serving internal combustion engine vehicles. However, with fast-charging technologies and the expansion of the charging network, efforts are being made to overcome this issue.

1. Home Charging (AC Charging)

AC charging units that offer home charging options are generally low-cost and user-friendly. However, the charging time with standard outlets is quite long (8-12 hours). As a faster alternative, level 2 charging units are preferred.

2. Fast Charging Stations (DC Charging)

Today, the most significant investments are being made in DC fast-charging stations located on highways and within cities. These stations can charge a vehicle's battery up to 80% in just 30-60 minutes. Tesla's "Supercharger" network, European-based initiatives like Ionity, and China's extensive charging network projects are among the global leaders in this transformation[2].



3. Wireless Charging Technologies

Another revolutionary development in charging infrastructure is wireless charging systems. Inductive charging technologies embedded beneath roads will allow electric vehicles to charge even while in motion. The advancement of this technology could create a major transformation in urban transportation.



The Future Widespread Adoption of Electric Vehicles

Another critical factor for electric vehicles is battery technology. In addition to advanced lithium-ion batteries, solid-state batteries and graphene-based battery systems hold great promise for increasing range and enabling faster charging. Furthermore, research continues on self-charging vehicle concepts thanks to vehicles integrated with solar panels. The widespread adoption of electric vehicles will not only affect individual users but also public transportation systems. Studies on electric buses, trucks, and even airplanes are of great importance in reducing carbon emissions.

Conclusion

Electric vehicles are bringing about a major transformation in the transportation sector in terms of sustainability. However, for this transformation to be fully realized, strengthening charging infrastructure, advancing battery technologies, and implementing innovative charging methods are essential. In the future, making cities more suitable for electric vehicles and using clean energy sources at charging stations might help this ecosystem function more efficiently. Through collaboration between governments, the private sector, and consumers, electric vehicles can replace fossil fuel-based transportation and build an environmentally friendly future.

References:

- [1] <https://www.iea.org/>
- [2] https://www.tesla.com/tr_tr/supercharger

CLUBS

TALK!

PHOTO AND VIDEO
CLUB

Our club, keeping in mind the technological advances; It was established to provide students with experience in the field of photography and video shooting, to make applications and to share the work done with both our university and our external stake holders. The photography and video clubs, which organize many events with the guests of the sector employees, also ensure that the students have an idea about the sector.



The fields of activity of the club are as follows:

- To organize photo exhibitions. To make photography workshops.
- To invite photographers to school and to organize conversations / events.
- Conversations and workshops with professionals working in the field of cinema.
- Publishing a digital or printed newspaper in which our school's news will be published.
- Participating in cinema festivals.
- Making movie screenings and film analysis at school.
- To organize trips to photography exhibitions in Istanbul.
- To organize cinema and video workshops.
- To organize journalism workshops.
- To organize events for print media.
- To open a booth for the development of the club and to increase the number of members.

OUR STAKEHOLDERS



TURKISH AIRLINES



EKOLOFOOD





SİVİL HAVACILIK
GENEL MÜDÜRLÜĞÜ



CONTRIBUTORS

We would like to thank our academicians who contributed to the February issue of Istanbul Gelisim Vocational School E-Bulletin.



Assist. Prof. Kaan KOÇALI
Occupational Health and Safety Program

Assist. Prof. Gonca YILMAZ
Foreign Trade Program

Lect. Çisem YAŞAR
Web Design and Coding Program

Lect. Emrah ÖZCAN
Applied Russian Translation and Interpreting Program

Lect. İzzet YAVUZ
Electrics Program

Lect. Remzi SIZAN
Civil Aviation Cabin Services Program

Lect. Senay BOZ
Tourist Guiding Program



Istanbul Gelisim
Vocational School

MASTHEAD

PUBLICATION MANAGEMENT

Assoc. Prof. Lokman KANTAR
Lect. Nevzat Yağız TOMBAL
Lect. Bilge YILMAZ
Lect. Hatice Rumeysa DELİCE

COORDINATOR

Lect. Görkem Gülay DOĞAN ATICI

TRANSLATION TEAM

Assist. Prof. Duygu ÇELİK
Lect. Fehim İLHAN
Lect. Tuğçe ÖZDİNÇ KIZILDERE
Lect. Asuman KAĞIT BALTA
Lect. Tuğrul GÜNGÖR
Lect. Fatma BALTA

GRAPHIC DESIGN

Lect. Furkan GÖZELCE
Lect. Zeynep ÖZCAN

SOCIAL MEDIA SPECIALIST

Lect. İrem KALKANLI
Lect. İzzet YAVUZ

ADDRESS

Cihangir, Şehit Jandarma Komando, J. Kom. Er Hakan Öner Sk. No: 1, 34310
Avcılar/İstanbul

TELEPHONE

0212 422 70 00