



**Istanbul Gelisim
Vocational School**



IGVS

Monthly E-Bulletin

July

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myo.gelisim.edu.tr

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 July 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. Mehmet SOYAL



** 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 Maintains Its Success in the 2026 Times Higher Education World University Rankings

Istanbul Gelisim University (IGU) has achieved another significant success in the 2026 World University Rankings announced by the international higher education ranking organization Times Higher Education (THE). According to the 2026 results, IGU maintained its position in the 1001–1200 band worldwide, ranking 9th among foundation universities, 16th in Türkiye overall, and 2nd in Turkey in the Research Quality category. In the international visibility category, IGU ranked 6th, right after Bogazici University, strengthening Turkey's position in global higher education with its research strength and international impact capacity.

IGU Stood Out with Its Research Strength in THE 2026 Rankings



This year, the Times Higher Education 2026 World University Rankings evaluated 2,191 universities from 115 countries, including 137 universities from Türkiye.

In line with its vision of becoming a "Research University," Istanbul Gelisim University has achieved a lasting momentum globally in recent years through investments in research infrastructure, qualified human resources, and international projects. This determined progress was once again confirmed by the university's stable position in the 1001–1200 band.

According to THE 2026 results, IGU ranked 16th overall in Türkiye, 9th among foundation universities, and 2nd in the Research Quality category. In the international visibility category, IGU ranked 6th, just after Bogazici University. These results once again highlight IGU's strengthening position not only at the national level but also in the global higher education arena.



"We Do Not Compromise on Our Goal of Academic Excellence"

IGU Rector Prof. Bahri Şahin made the following statement regarding the THE 2026 results:

"Maintaining our place in the 1001–1200 band in the Times Higher Education 2026 World University Rankings, ranking 9th among foundation universities, 16th overall in Türkiye, and 2nd in Research Quality, is a reflection of our strong academic structure based on scientific output. This success is the result of our sustainable research policies, internationalization strategies, and the collective efforts of our qualified academic staff. As Istanbul Gelisim University, we not only take part in the field of higher education but also contribute to global science by producing high-impact scientific outputs with strong research quality.

Our goal is to further increase our research capacity, move beyond this band, and strengthen Turkey's global representation in world university rankings. With the dedicated efforts of our academic staff, the scientific curiosity of our students, and the support of our stakeholders, we are moving confidently toward this goal. I thank all our academics, administrative staff, and students who contributed to this achievement."

Research Power Rising with a Global Vision

Istanbul Gelisim University does not limit its research ecosystem to scientific production alone; it supports it with industry collaborations, innovative projects, and global funding sources to increase Türkiye's international visibility and expand its scientific impact.

IGU Ranked in the 401-500 Band in THE Interdisciplinary Science Rankings 2026

Istanbul Gelisim University (IGU) has achieved a significant success by placing in the 401–500 band in the Interdisciplinary Science Rankings 2026, prepared by Times Higher Education (THE) in collaboration with the Schmidt Science Fellows. In the 2026 results announced for the field of Interdisciplinary Science, 911 universities from 94 countries were evaluated, and 82 universities from Türkiye succeeded in entering the list. Istanbul Gelisim University, evaluated for the first time this year, attracted global attention with its performance in interdisciplinary research output, publication quality, scientific impact, and international collaborations.

IGU's THE Success Trend Continues to Rise

The ranking in the 401–500 band in the field of Interdisciplinary Science is a new indicator of Istanbul Gelisim University's steady upward trend in THE rankings.

In the previously announced THE World University Rankings 2026 results, IGU was placed in the 1001–1200 band, drawing attention in international evaluation systems with improvements particularly in research quality, publication impact, and international collaborations.

The newly released Interdisciplinary Science results show that the university continues its momentum in scientific production and that its research policies are being recognized globally.

With the Interdisciplinary Science Rankings 2026, IGU has now become a higher education institution listed in all rankings published by THE. This outcome demonstrates that the university's research-oriented vision, academic production capacity, and internationalization strategy are acknowledged on a global scale.



“This Achievement Is a Concrete Result of Our Scientific Productivity”

IGU Rector Prof. Bahri Şahin shared the following remarks regarding the achievement:

“Being ranked in the 401–500 band in the Times Higher Education Interdisciplinary Science Rankings 2026 is a concrete result of our university's scientific productivity and its commitment to an interdisciplinary approach. Being included in the list in this field for the first time shows that we are on the right path within the global academic competition. Every step we take to strengthen our research ecosystem is a strategic gain that enhances our international visibility.

As Istanbul Gelisim University, we advance with a holistic vision that increases our research capacity, strengthens international collaborations, and supports interdisciplinary knowledge production. This approach, which prioritizes scientific efficiency, research quality, and innovative practices, forms the foundation of achieving sustainable academic success on a global scale. I wholeheartedly congratulate our entire academic staff who contributed to this success.”

"We are increasing our competitiveness on a global scale"

Istanbul Gelisim University Rector Prof. Bahri Şahin stated the followings about the achievements of THE World Universities Ranking and THE World Universities Field Ranking: "With our university ranking overall, it is a great source of pride for us to be included in the rankings in the fields of Business and Economics and Social Sciences for the first time this year. This achievement once again reveals our university's research capacity, quality of education and vision of internationalization. Our place in the 501-600 band, which is obtained especially in the Social Sciences category, embodies our goal of increasing the academic power of our university in the field of social sciences and its competitiveness on a global scale. As Istanbul Gelisim University, we will continue to maintain our understanding of excellence in education and research."



"It is a significant indicator that we are on the way to achieving our internationalization goals"

Istanbul Gelisim University's Vice Rector for Quality, Accreditation and Internationalization Prof. Arda Öztürkcan, on the other hand, said the following about THE success rankings:

"It is a pleasure for our university to enter the general ranking in THE World Universities Ranking and then to take part in THE World Universities Field Ranking on top of our success in THE Awards Asia 2025. This success is an important indicator that we are on the way to achieving our quality and internationalization goals in our education and research activities."

The grades obtained by Istanbul Gelisim University in THE rankings proved once again that the university has a competitive structure on a global scale and that it attaches importance to quality standards in the education it offers to its students. The university is determined to continue its work uninterruptedly to continue these achievements in the future.

Istanbul Gelisim University received YÖKAK Corporate Accreditation for 5 years!

Istanbul Gelisim University (IGU) was fully accredited for 5 years as a result of the institutional accreditation evaluation carried out by the Higher Education Quality Board (YÖKAK). After the detailed audit process in December, IGU was entitled to receive accreditation at the highest level with the high standards it has shown in the fields of education, research and development, management system and community service.



**Yükseköğretim
Kalite Kurulu**

**İstanbul Gelişim Üniversitesi,
YÖKAK tarafından
5 yıl süreyle tam akredite edildi!**

Üniversitemiz, eğitim-öğretim, araştırma, yönetim ve topluma hizmet alanlarındaki kalite standartlarını sağlayarak, Yükseköğretim Kalite Kurulu (YÖKAK) tarafından **5 yıl süreyle "Kurumsal Akreditasyon Belgesi" almaya hak kazandı.**

Institutional accreditation is an important process that evaluates whether universities meet the quality standards set in the fields of education, research, management and community service. This rigorous evaluation process carried out by YÖKAK aims to increase the competitiveness of higher education institutions on a national and international scale and to ensure that they establish a transparent and sustainable quality assurance system. Universities that are entitled to receive institutional accreditation prove that they successfully manage quality processes, adopt sustainable development in education and effectively fulfill their mission of adding value to society. Istanbul Gelisim University successfully completed this important process and made its name among the few universities in Türkiye that received full accreditation.

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

Istanbul Gelisim Vocational School Transitions to the L2E Model in Education

Istanbul Gelisim Vocational School (IGVS) has restructured its educational curricula in line with the IGU L2E (Learning to Earning) model in order to adapt to the needs of the changing business world. The model, developed under the “Learn2EarnGelisim” approach, aims to enable students to turn theoretical knowledge into practice and to acquire the current competencies needed by the industry before graduation.

Within the scope of the new education model, micro-credential modules specific to each program have been created, while artificial intelligence, digital transformation, data analytics, sustainability, and the skills of future professions have been integrated into the curricula. Upon completing their micro-credential trainings, students will have the opportunity to document their professional competencies by earning a certificate.



ISTANBUL GELISIM VOCATIONAL SCHOOL 2025-2026

ADOPTS THE L2E MODEL in Education!

Istanbul Gelisim Vocational School has adopted a new vision in vocational education by transitioning to the L2E (Learning by Doing at the Workplace) model.

- LEARNING THROUGH PRACTICE**
a practical approach to education
- STRONGER CONNECTION WITH THE BUSINESS WORLD**
collaboration and integration
- PROFESSIONAL COMPETENCIES**
an enhanced qualification system

WITH THE L2E MODEL, OUR STUDENTS;

- Gain experience in real work environments.
- Seize learning opportunities within the sector.
- Enhance their vocational competencies.
- Prepare more sustainably and confidently for the future.

“By preparing our students for business life, enabling them to gain experience, and supporting learning in real-world environments, this new model is a strong step toward raising the skilled professionals of the future.”

PRACTICE-ORIENTED EDUCATION | **STRONGER CONNECTION WITH THE BUSINESS WORLD** | **HIGH EMPLOYABILITY POTENTIAL** | **EXPERIENTIAL LEARNING THAT EMPOWERS** | *The Power of Development!*

Istanbul Gelisim Vocational School Director Assoc. Prof. Mehmet Soyal stated that the L2E model is not merely a system for providing academic knowledge, noting that it aims to prepare students to be individuals ready for professional life after graduation. Soyal emphasized that the educational content is updated in line with industry expectations, and that students will be equipped with both professional and digital competencies to prepare them for the future world of work.

Through the L2E model, IGVS aims to offer its students a strong career infrastructure by bringing together applied education, industry collaborations, and the micro-credential system.

Istanbul Gelisim University Graduation Ceremony Held with Great Enthusiasm

Istanbul Gelisim University's 2025–2026 Academic Year Graduation Ceremony was held at Sinan Erdem Sports Hall with the enthusiastic participation of graduates, academics, administrative staff, and students' families.

The ceremony marked a proud and memorable milestone for students who successfully completed their university education. Graduates took the stage to receive their diplomas and shared the excitement of their achievement with their families, lecturers, and friends.



Throughout the ceremony, the academic and professional achievements of the graduates, as well as the new opportunities awaiting them in their future careers, were highlighted. Students captured this meaningful day by taking commemorative photographs with their classmates and academic staff.

One of the most exciting moments of the ceremony was the traditional cap toss. The colourful scenes at Sinan Erdem Sports Hall reflected the graduates' happiness, pride, and enthusiasm as they stepped into a new chapter of their lives.

Istanbul Gelisim University continues to prepare its students for the future by providing them not only with academic knowledge but also with professional competencies, an innovative perspective, and a strong sense of social responsibility.

As the Istanbul Gelisim University family, we congratulate all our graduates and wish them continued success in their professional and personal lives.

2026 YKS Preference Period Has Begun

The 2026 Higher Education Institutions Examination (YKS) preference period began on July 29, 2026. Candidates can submit their university preferences through ÖSYM's Candidate Transactions System until 11:59 p.m. on August 10, 2026. When preparing their preference lists, candidates are advised to consider not only their success rankings but also universities' academic opportunities, practical training facilities, internationalisation activities, career support services, and scholarship options.

As part of its University Preference and Promotion Days, Istanbul Gelisim University is welcoming prospective students and their families to its campus. Candidates can meet academics individually, benefit from free preference counselling, visit laboratories and practical training areas, and explore the campus digitally through the VR experience area.



Throughout the preference period, candidates receive detailed information about academic programmes, professions, international exchange opportunities, and post-graduation career prospects. Expert counsellors also support candidates in preparing suitable preference lists based on their success rankings, interests, and career goals.

Istanbul Gelisim University also offers scholarships of up to 40% for candidates who place the university among their first five preferences, as well as an additional 10% On-Campus Preference Scholarship for those who complete their preference procedures on campus. These opportunities aim to help candidates make informed and well-considered decisions about their university education.



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.

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GELISIM MESLEK YUKSEKOKULU

EDUCATION



NEWS FROM IGVS

Lect. İpek Ebru Karaçay from the Computer Programming Program at Istanbul Gelisim Vocational School participated in a staff training mobility program at the Todor Kableshkov University of Transport in Sofia, Bulgaria, between July 6 and 10, 2026, within the scope of the Erasmus+ Staff Training Mobility program.

During the mobility period, the university's computer laboratories and information technology infrastructure were examined. Information was obtained about laboratory studies related to computer networks, information security, system administration, and digital education applications. In addition, academic practices regarding the integration of transportation technologies and information systems were observed, and views were exchanged with faculty members on educational processes, laboratory use, and technology-supported teaching methods.

The program contributed to strengthening international academic collaborations and to evaluating current educational approaches in the field of Computer Programming.



Entropic Fractal Dimensions of Silver and Bronze Quasicrystals via Tsallis Statistics: Beyond the Fibonacci Paradigm

Lect. İpek Ebru KARAÇAY and Lect. Kübra ÇETİNERK, academic staff members of the Computer Programming Program at Istanbul Gelisim Vocational School, presented their scientific study titled “Entropic Fractal Dimensions of Silver and Bronze Quasicrystals via Tsallis Statistics: Beyond the Fibonacci Paradigm,” prepared together with their doctoral thesis advisor Prof. Dr. Salim YÜCE, as an oral presentation at the International Conferences on Science and Technology (ICONST), held in Budapest, Hungary, between July 1 and 3, 2026.



In the study, the entropic fractal dimensions of silver and bronze quasicrystals were investigated using a Tsallis entropy-based approach. Going beyond conventional approaches limited to the Fibonacci sequence, the study proposed a new theoretical framework explaining the mathematical properties of these structures. In addition, the findings demonstrated that as the metallic number increases, the complexity of the structures decreases and they exhibit a tendency toward crystallographic order, thereby making significant contributions to the understanding of quasicrystals.



Tsallis Entropy as a Unified Framework for Quasicrystals: The Fibonacci Case as a Shannon Limit

The scientific study titled “Tsallis Entropy as a Unified Framework for Quasicrystals: The Fibonacci Case as a Shannon Limit”, prepared by Lect. Kübra Çetinberk and Lect. İpek Ebru Karaçay from the Computer Programming Program at Istanbul Gelisim Vocational School, together with their doctoral thesis advisor Prof. Salim Yüce, was presented at the International Conferences on Science and Technology (ICONST) held in Budapest, Hungary, between July 1 and July 3, 2026.



In the study, a generalized approach based on Tsallis entropy was proposed for the investigation of quasicrystals, demonstrating that the classical Shannon entropy is a special limit case of this model. The findings revealed that the proposed method successfully reproduces classical fractal characterization results while demonstrating that Tsallis statistics provides a more comprehensive framework for analyzing the mathematical structure of quasicrystals.

Lect. Kübra ÇETİNERK, a member of the academic staff of the Computer Programming Program at Istanbul Gelisim Vocational School, participated the Training programme at the Bucharest University of Economic Studies (ASE) in Bucharest, Romania within the scope of the Erasmus+ Staff Mobility, between July 13 and July 17, 2026.



During the mobility period, the university's information technology infrastructure, digital education applications, information systems, and technology-supported teaching processes were examined. Information was obtained about the university's academic and administrative practices, and views were exchanged on the integration of educational technologies into teaching processes. In addition, discussions were held on strengthening international academic cooperation between the two institutions, potential joint projects, and future Erasmus+ mobility opportunities.

Dr. Ceyda Cevahir Yıldız Successfully Completed Erasmus+ Staff Mobility for Teaching at the University of Tetova

In line with Istanbul Gelisim University's vision of internationalization, Asst. Prof. Dr. Ceyda Cevahir Yıldız, Head of the Computer Technologies Department, successfully completed the Erasmus+ Staff Mobility program at the University of Tetova in North Macedonia from June 29 to July 3, 2026, with the aim of further deepening inter-institutional academic ties and facilitating the transfer of high-quality knowledge.

During the visit, comprehensive academic sessions were held with faculty members of the host institution in the fields of computer technologies and applied mathematics. Innovative good practices related to curriculum development and European Credit Transfer and Accumulation System (ECTS) alignment were mutually shared with the goal of enhancing educational quality, simultaneously, the solid foundations for substantial joint scientific research projects to be implemented in the future were laid through strategic face-to-face meetings.



We congratulate our esteemed faculty member for successfully representing our university on the international stage and wish her continued success in her academic endeavors.

Gender Inequality in Employment in Turkey: New Research from Our Academics

The article titled “An Analysis to Determine the Trend of Gender Inequality in Employment in Türkiye: Evidence from RALS Unit Root Tests”, authored by Asst. Prof. Atilla AYDIN, a faculty member of the Air Logistics Program, and Lect. Duygu HOBAN, a faculty member of the Human Resources Management Program at Istanbul Gelisim Vocational School, has been published in the Çukurova University Journal of the Institute of Social Sciences, a TR Dizin-indexed journal.

Reference: Aydın, A., & Hoban, D. (2026). TÜRKİYE’DE İSTİHDAMDA CİNSİYET EŞİTSİZLİĞİ EĞİLİMİNİN BELİRLENMESİNE YÖNELİK BİR ANALİZ: RALS BİRİM KÖK TESTLERİNDEN KANITLAR. Çukurova Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, 35. <https://doi.org/10.35379/cusosbil.1669826>

<https://dergipark.org.tr/tr/pub/cusosbil/article/1669826>



Asst. Prof. Kaan Koçali's Academic Study Published in "Alinteri Journal of Social Sciences"

The academic article titled "Evaluation of Conceptual Alignment in the Field of Occupational Health and Safety in Türkiye", written by Asst. Prof. Kaan Koçali, one of the academicians of the Occupational Health and Safety Program at Istanbul Gelisim Vocational School, has been published in the Alinteri Journal of Social Sciences.

In the study, Occupational Health and Safety Law No. 6331, which constitutes the main legal basis of the occupational health and safety field in Türkiye, was comprehensively examined within the framework of international occupational health and safety standards, fundamental reference documents, and conceptual integrity.

The study evaluated the compatibility of the main concepts used in national legislation with the terminology included in the international literature and discussed the effects of conceptual differences on practice, education, and scientific research.

Drawing attention to the importance of establishing common terminology in the field of occupational health and safety in terms of the correct interpretation of legislation, the improvement of implementation processes, and the conduct of scientific studies in harmony with the international literature, the study aims to contribute to both the academic literature and the field of practice.

In this respect, the research is expected to make important contributions to conceptual standardization studies in the field of occupational health and safety in Türkiye and to the scientific development of the discipline.

<https://doi.org/10.30913/alinterisosbil.1865423>

Book Chapter by Asst. Prof. Kaan Koali and Asst. Prof. Serenay alış Included in an International Publication

The book chapter titled “Green Chemistry and Sustainable Environment Partnership Occupational Health and Safety”, jointly written by Asst. Prof. Kaan Koali, Head of the Occupational Health and Safety Program, and Asst. Prof. Serenay alış, an academician in the Occupational Health and Safety Program at Niğde mer Halisdemir University Niğde Vocational School of Technical Sciences, has been published in an international academic publication. The study was included as a chapter in the book titled “Strengthening the Ecological Legacy of Organizations With Green Policy”, published by IGI Global, one of the internationally respected academic publishing houses, and indexed in the Book Citation Index (BKCI) and Scopus databases.



This internationally visible publication brings together scientific studies from different disciplines in the fields of sustainability and environmental policies.

In the book chapter, the relationship between occupational health and safety and green chemistry practices is addressed from a sustainability perspective. The study comprehensively evaluates the effects of environmentally friendly production processes on employee health, the development of sustainable occupational health and safety practices, innovative approaches aimed at reducing occupational risks, and policy recommendations that support environmental sustainability in organizations.

By presenting a holistic perspective on the protection of employee health during the green transformation process, the study makes important contributions to both the academic literature and the field of practice.

<https://doi.org/10.30913/alinterisosbil.1865423>

Asst. Prof. Kaan Koçali Accepted to the European Union COST Action HUMAN-IT Research Network

Asst. Prof. Kaan Koçali, one of the academicians of the Occupational Health and Safety Program at Istanbul Gelisim Vocational School, has been accepted as a researcher to the international research action titled CA24167 – Disruptive Innovation and Exponential HRM: Crafting Next-Gen Employee Experience, Workplace, Job Market (HUMAN-IT), carried out within the scope of COST (European Cooperation in Science and Technology), one of Europe's most prestigious scientific cooperation networks.

Within the scope of COST Actions, which bring international researchers together around joint projects, Asst. Prof. Kaan Koçali will take part in the W3 – Social Transformations, Policy and the New Job Market (SPJ) working group operating within the action.

This working group examines the effects of digital transformation, artificial intelligence, disruptive innovations, and next-generation human resources practices on working life, employment policies, social policy, and the labour markets of the future from an interdisciplinary perspective.

Within the scientific activities to be conducted as part of the research network, it is aimed that Asst. Prof. Kaan Koçali will contribute to international research projects with his academic knowledge in the fields of occupational health and safety, working life, and social policy, conduct joint studies with researchers from different countries, and participate in knowledge sharing.

While this acceptance represents Asst. Prof. Kaan Koçali's second COST Action membership, it also further strengthens the international scientific visibility of our academician and the representation of Istanbul Gelisim University in international research networks.

<https://www.cost.eu/actions/CA24167/#tabs+Name:Working%20Groups%20and%20Membership>

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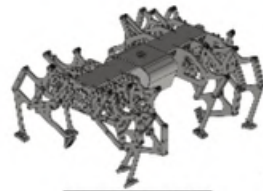


R & D

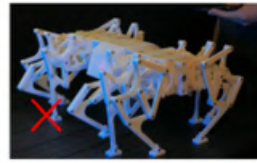


The article titled “Symmetry-Breaking and Fault-Tolerance Analysis of a Twelve-Legged Jansen Robot Using a Hybrid FEA-ANFIS Framework” has been published in the journal Symmetry, which is indexed in SCI-Expanded and Scopus.

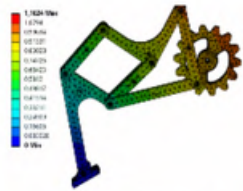
From Symmetry to Asymmetry: A Robot Resilience Study



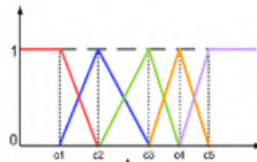
HEALTHY ROBOT
12 legs · 2 motors
Bilateral symmetry
Balanced load distribution



LEG FAILURE EVENT
Symmetry breaks
Load redistributes
21 failure scenarios tested



STRESS ANALYSIS
ANSYS FEA · 210 cases
Max von Mises stress
Critical zones identified

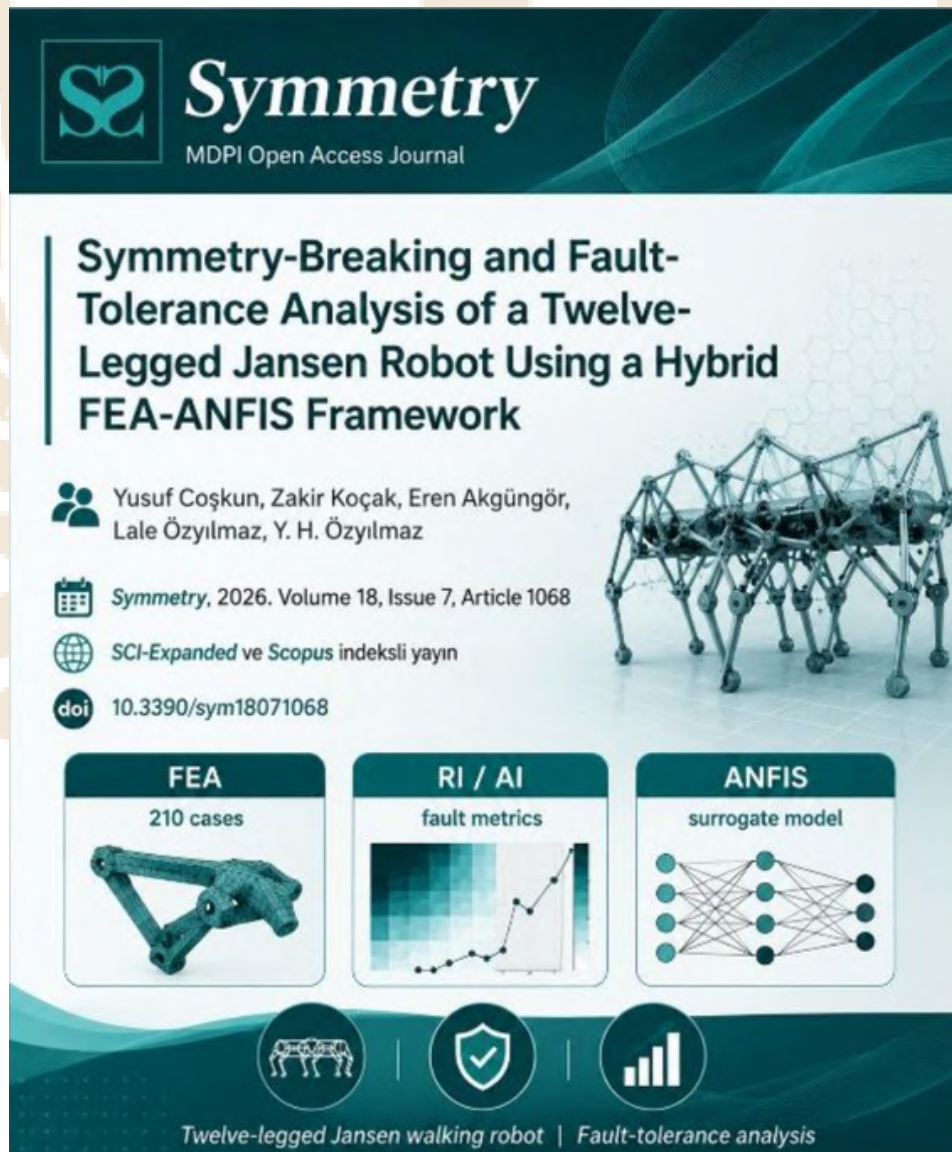


ANFIS SURROGATE
ANFIS surrogate model
Predicts in microseconds (262.6 µs)
 $R^2 > 0.94$ accuracy

OUTCOME

A real-time digital twin framework for monitoring structural risk in multi-legged biomimetic robots under symmetry-breaking failure events

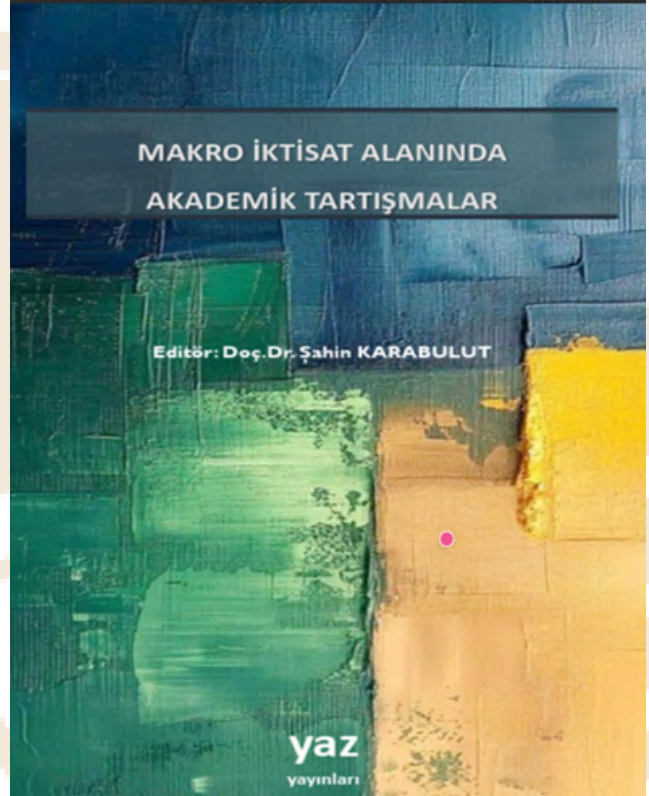
The study that was co-authored by Lect. Yakup Hakan Özyılmaz from the Electronics Technology Program at İstanbul Gelişim Vocational School, Yusuf Coşkun, Zakir Koçak, Eren Akgüngör, and Lale Özyılmaz examine the structural symmetry-breaking effects of single- and multiple-leg failures on a twelve-legged Jansen walking robot. In the study, a total of 210 analysis states were generated for 21 failure scenarios and 10 load levels using finite element analysis (FEA); the fault tolerance of the robot was evaluated using Resilience Index (RI) and Asymmetry Index (AI) metrics; and an ANFIS-based surrogate modeling approach was proposed for fast prediction and decision support. The article was published in Volume 18, Issue 7 (2026) of the journal Symmetry.



A Valuable Contribution to the Academic Literature!

Asst. Prof. Duygu ÇELİK and Asst. Prof. Mustafa Kerem BÖRÜ, faculty members of the Banking and Insurance Program at Istanbul Gelisim Vocational School, shed light on current economic issues from an artificial intelligence perspective with their chapter titled "A New Era in Macroeconomic Analysis: AI-Assisted Policy Design and Inflation Forecasts," featured in the book "Academic Debates in the Field of Macroeconomics", edited by Assoc. Prof. Şahin Karabulut.

In their chapter, the authors examine contemporary macroeconomic issues from the perspective of artificial intelligence, highlighting the growing role of AI in policy design and inflation forecasting.



<https://www.yazyayinlari.com/yayinlarimiz/haziran-2026>

We congratulate our esteemed faculty members and wish them continued success in their academic endeavors.

Asst. Prof. Dr. Ekrem SÜZEN
Civil Air Transportation Management

ADAPTIVE SMART FLOTATION SHOE

This invention relates to an adaptive smart flotation shoe that can be used in the fields of water walking equipment, recreational water sports, water park equipment, marine and lake tourism equipment, individual flotation support systems, search and rescue support equipment, amphibious locomotion systems, military and tactical water crossing equipment, on water training and rehabilitation systems, and personal mobility support equipment, characterized in that it comprises at least one upper shoe body (1) that secures the user's foot, at least one adaptive pontoon body (2) associated with said upper shoe body (1) and providing lifting force on water, at least one multi chamber internal volume structure (3) located within said adaptive pontoon body (2), at least one micro pump system (4) that regulates air and/or liquid flow within said multi chamber internal volume structure (3), at least one sensor system (5) that generates data regarding the user's balance state, load state, and/or the pontoon's submersion state, at least one control unit (6) that manages the micro pump system (4) and/or the active stabilization wings (7) based on the data received from the sensor system (5), at least one active stabilization wing (7) that provides stabilization of the pontoon in the event of loss of balance, at least one curved lower surface (8) that directs the walking motion, at least one drainage system (9) that discharges water entering the pontoon, at least one connecting and load bearing plate (10) that mechanically joins the upper shoe body (1) with the adaptive pontoon body (2) and transfers the user's load to the adaptive pontoon body (2), and at least one energy unit (11) that supplies energy to the micro pump system (4), the sensor system (5), and the control unit (6).

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Tourism and Hotel Management

European Tourism Shows No Signs of Slowing Down Despite Crises

Despite global economic uncertainties and geopolitical fluctuations, the tourism sector has once again proven what a vital need it represents. The latest report published by the European Travel Commission (ETC) reveals that European tourism continues to grow despite numerous crises.

According to the European Travel Commission's latest report, titled "European Tourism: Trends & Prospects," the number of international visitors arriving in Europe in the first half of the year increased by 5% compared to the same period last year, while the number of overnight stays rose by 4.8%. These figures demonstrate the tourism sector's capacity to grow while maintaining its resilience even in times of crisis.

Northern Europe and the Mediterranean Lead the Way

According to the report, the strongest rise occurred in Northern European countries, which increased their visitor numbers by 10%. Looking at the "Coolcation" trend created by tourists escaping the extreme heat in Southern Europe, Ireland, Finland, Norway, and Iceland stood out as the main Northern European countries driving up tourism figures. In addition, despite the extreme heat, countries in the Mediterranean basin, such as Greece, Italy, Malta, Portugal, and Spain, also stood out as benefiting from growth. Looking at the details of the report, the overall increase in the number of international visitors was around 5%, while the increase in the average number of overnight stays was 4.8%.

Quality Over Quantity: Tourists Are Spending More

One of the interesting details of the European Tourism: Trends & Prospects report is that the increase in tourism revenues has outpaced the increase in the number of tourists. In fact, the amount spent per tourist has risen in many destinations. This shows that the sector is evolving from a “large number of tourists” target toward a target of “high value-adding, quality tourists.”

Developments in Our Region and Their Effects

The report also shows that geopolitical tensions in the Middle East have affected regional security perceptions and air travel. Although partial fluctuations are being experienced in the region’s geography due to this situation, Türkiye continues to preserve its strong position in the world tourism market, its success in mass tourism, and its ability to develop rapidly amid crises. As tourists seek “quality” and different experiences rather than “quantity,” and as the search for climate and coolness shifts toward Northern Europe, it has become necessary for us, as Türkiye, to sustainably spread our tourism opportunities across all 12 months and all regions, and to develop alternative products. In fact, the published report once again demonstrates the fact that, in order to attract tourists with high spending potential to our country, we need to move away from the sea, sand, and sun tourism and focus on alternative tourism products that highlight our cultural heritage.

Kaynak :

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Lect. Selda BALCAN
Graphic Design

Minimalism in Graphic Design: The Role of the “Less is More” Philosophy in the Digital Age

Introduction: A Refuge Amidst Visual Noise

The 20th century is the stage for the most intense information and visual bombardment in human history. Smartphones, digital billboards on the streets, social media feeds, and websites try to capture individuals with thousands of messages every second. In this age of “visual noise,” the fundamental purpose of graphic design is no longer just to attract attention, but also to convey the intended message to the target audience in its clearest form. This is where the Minimalism movement, whose roots stretch back to the early 20th century but which has become a vital necessity today, comes into play. The “Less is more” philosophy, identified with the famous architect Ludwig Mies van der Rohe, has become one of the most powerful and functional tools of modern graphic design.

1. The Historical Roots and Basic Principles of Minimalism

Minimalism is not a trend that suddenly emerged in graphic design; it is the result of an artistic and social evolution. The Bauhaus school, founded in Germany in the 1920s, laid the foundations of design stripped of ornamentation by arguing that form should follow function. By the 1950s, the International Typographic Style turned Minimalism into a universal language by introducing asymmetric layouts, grid systems, and sans-serif typefaces.

The minimalist approach in graphic design does not mean leaving a piece “empty,” but rather “removing everything unnecessary from the design.” The basic building blocks of this movement are as follows:

- **Negative Space (White Space):** In design, the space between elements is at least as important as the elements themselves. Negative space allows the eye to rest and sharpens the focal point.
- **Limited Color Palette:** Palettes that are generally monochrome or consist of only one or two accent colors are preferred. Color is used not to decorate but to create hierarchy and convey emotion.
- **Strong Typography:** In minimalist design, text is not just writing but also a visual element. Large, clear, sans serif typefaces ensure that the message is conveyed directly.

2. Functionality and User Experience (UX) in the Digital Age

The success of Minimalism in graphic design does not stem solely from being an aesthetic preference; it also has a high degree of functionality. Today, graphic design is directly intertwined with web design, mobile applications, and user interfaces (UI).

On a website or in a mobile application, complex graphics, ornate buttons, and excessive use of color tire the user and cause them to abandon the platform. Minimalist design optimizes the user experience (UX) in the following ways:

1. **Quick Perception and Clarity:** Within a fraction of a second of entering the page, the user understands what they need to do (for example, click a “Buy Now” button).
2. **Loading Speeds and Performance:** Fewer visual elements and optimized code allow digital designs to load faster. This is critical for search engine optimization (SEO) and user retention.
3. **Responsive Design:** Minimalist designs can easily adapt to screens of every size, from desktop computers to smartwatch displays.

3. Minimalism in Corporate Identity and Branding

Looking at the world’s most successful brands, one sees that a radical simplicity has been pursued in their logo and corporate identity designs. Major brands have evolved their logos over the years to reach their most minimalist forms.

A minimalist logo increases its memorability and timelessness. Complex, detailed logos lose their detail and create a muddled appearance when printed on small surfaces (for example, on an application icon or a pen). A minimalist logo, however, retains its strength in every size and every medium. Using “fewer” elements allows the brand to convey its message to the masses in a “greater” and clearer way.

Conclusion

Minimalism is not a temporary trend or a passing fad in graphic design. On the contrary, it is the purest and most refined form of visual communication. This philosophy, which filters out the complexity and noise brought by the information age, offers the viewer room to breathe.

The graphic designer’s task is not just to produce beautiful things but to solve a problem. Minimalism clears the design of ornamentation to reveal its essence, solving the problem in the most direct way. No matter how much technology and media change in the future, the principle of “Less is more” will retain its validity as long as the human mind’s need for simplicity and clarity exists.

Lect. M. Büşra SAĞLAM
Culinary

A Strong Collaboration Between IGU and EKOL FOOD for Gastronomy Education

Istanbul Gelisim University (IGU) has added yet another initiative to its efforts to strengthen industry-university collaborations. The special product tasting event, hosted by EKOL FOOD, brought together representatives from academia and industry on a single platform, providing an opportunity to evaluate current developments in gastronomy.



The event was attended by our Vice Rector and Coordinator of the Gastronomy Departments of Istanbul Gelisim University, Prof. Serdar Egeli, along with faculty members from the Gastronomy and Culinary Arts, Culinary, and Pastry and Bakery programs. Within the scope of the program, participants had the opportunity to experience EKOL FOOD's carefully prepared products while conducting comprehensive evaluations of innovations in the gastronomy industry, current product trends, and professional expectations.

The tasting event once again demonstrated the importance of applied education, and the contributions that strong communication between the industry and academia would make to students' professional development were also discussed. In the program, where mutual sharing of knowledge and experience was at the forefront, the role of university-industry collaboration in increasing the quality of gastronomy education was emphasized.

While Istanbul Gelisim University continues to develop its collaborations to raise its students as individuals equipped to meet industry needs, it thanked the EKOL FOOD family for their kind hospitality, valuable contributions, and warm welcome. All academics who contributed to the event were also thanked for their efforts and support, and it was expressed that similar collaborations would continue to grow.

OUR STAKEHOLDERS



TURKISH AIRLINES



EKO FOOD





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