



Vocational
School of
Health Services

100
TÜRKİYE CUMHURİYETİ'NİN YÜZÜNCÜ YILI

VSHS

MONTHLY
NEWS AND EVENTS
E-JOURNAL

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Vocational
School of
Health Services



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CONTRIBUTION

shmyo@gelisim.edu.tr



igushmyo



igushmyo

ABOUT US

MISSION

Our purpose is to become experienced and productive in the health sector while staying committed to ethical and moral values and being able to produce science-based knowledge by serving the welfare of society. Our mission is to make efforts that add value to our homeland by researching, questioning, and working for the development of science and by educating self-confident individuals who will bring pride to our homeland.

VISION

Our vision is to become a health-related educational establishment equipped to work in medicine, compatible with the rapidly evolving scientific community and is open to growth and development.



HISTORY

Istanbul Gelisim University, Vocational School of Health Sciences was proposed at the General Assembly of Higher Education on September 12th, 2013 and ever since then VSHS has been providing education and training services for 40 programs (24 regular education, 16 secondary education) with 24 classrooms, 19 laboratories-workshops, and 134 academic staff; per subparagraph (d) of paragraph 2 of Article 7 of Law No. 2547.

ACHIEVEMENTS

IGU ranked 1st in Turkey with its patent applications.

PATENT SAYILARI			
TESLİM EDİLEN TÜRKİYE İTÜ PATENT SAYISI	PATENT BAŞVURU SAYISI	GENEL SİRALAMA	
242	ISTANBUL ÜNİVERSİTESİ-CERRAHPAŞA	1	
95	ISTANBUL MEDİPOL ÜNİVERSİTESİ	2	
95	ISTANBUL TEKNİK ÜNİVERSİTESİ	3	
93	ISTANBUL ÜNİVERSİTESİ	4	
76	ISTANBUL GELİŞİM ÜNİVERSİTESİ	5	
74	YEDİTEPE ÜNİVERSİTESİ	6	
70	ERCIYES ÜNİVERSİTESİ	7	
66	EĞİTİM ÜNİVERSİTESİ	8	

Patent Şampiyonu Üniversiteler (2023)

TÜRKİYE İTÜ PATENT BAŞKARLILARI			TÜRKİYE İTÜ PATENT YERLEMLERİ		
Patent Başvuru Sayısı	2023 Yılında Yayımlanan Türkiye İTÜ Patent Sayısı	2023 Yılında Teslim Edilen Türkiye İTÜ Patent Sayısı	Patent Başvuru Sayısı		
242	87	31	ISTANBUL ÜNİVERSİTESİ-CERRAHPAŞA	30	ISTANBUL MEDİPOL ÜNİVERSİTESİ
			YILDIZ TEKNİK ÜNİVERSİTESİ	29	YILDIZ TEKNİK ÜNİVERSİTESİ
			ATATÜRK ÜNİVERSİTESİ	28	ISTANBUL ÜNİVERSİTESİ
			ISTANBUL MEDİPOL ÜNİVERSİTESİ	27	İTÜ
			ERCIYES ÜNİVERSİTESİ	26	ISTANBUL ÜNİVERSİTESİ
			İTÜ	25	ODÜT
			TOĞRUCI ÜNİVERSİTESİ	24	GAZİANTEP ÜNİVERSİTESİ
			EĞİTİM ÜNİVERSİTESİ	23	ONDOKUZ MAYIS ÜNİVERSİTESİ
			DUŞUK ÜNİVERSİTESİ	22	ANTALYA İLİM ÜNİVERSİTESİ
			BERGAMA İLİM ÜNİVERSİTESİ	21	
				20	

IGU's achievement with Green Metric 2023 is noteworthy due to its emphasis on sustainability!



IGU continues to rise in Webometrics World University Rankings!



IGU placed in the top 3 in six categories of universities assessed by the Council of Higher Education!

YÖK "2023 YILI ÜNİVERSİTE İZLEME VE DEĞERLENDİRME GENEL RAPORU" NA GÖRE; İGÜ 6 FARKLI KATEGORİDE İLK 3'TE !



SCImago 2024 results: IGU in the top 5 in research!



IGU is among the best universities in Europe!

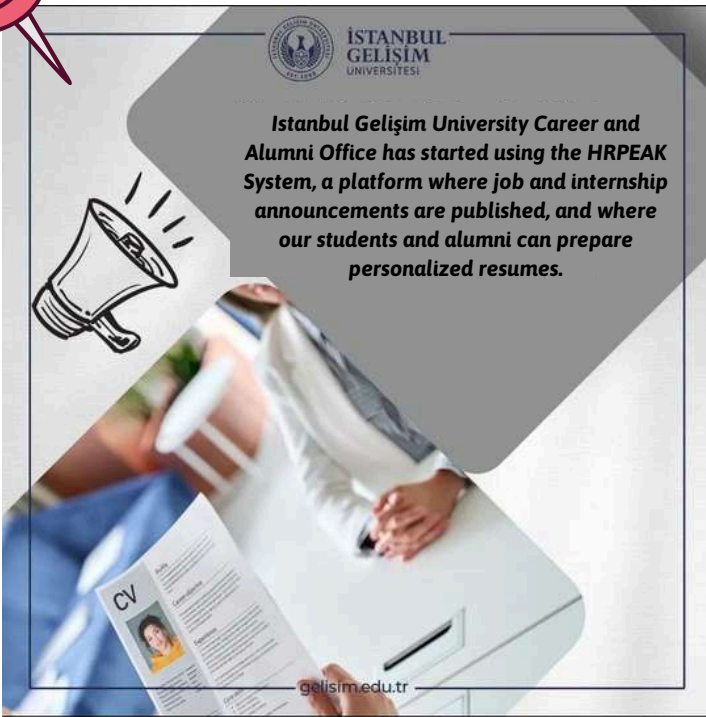




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NEWS AND ANNOUNCEMENTS



shmyo@gelisim.edu.tr



igushmyo



igushmyo

NEWS AND ANNOUNCEMENTS



The Graduate Tracking System (METSIS) has been established by Istanbul Gelişim University to monitor the current status of our alumni in terms of employment and post-graduation studies, as well as to generate statistical data. The institution established METSIS to improve ties with alumni and assist with job placement.

Graduates can sign up for a free membership at (<https://metsis.gelisim.edu.tr/>) and can update their profiles and follow job postings.



How do I become a member of METSIS?

1. Log in to metsis.gelisim.edu.tr platform.
2. Follow job announcements from the 'Open Positions' section.
3. Create an account from the 'New Candidate' section to apply for job announcements.
4. After creating your account, you can view job announcements from the 'Announcements' tab and apply for suitable positions.

Job finding platform

For any questions

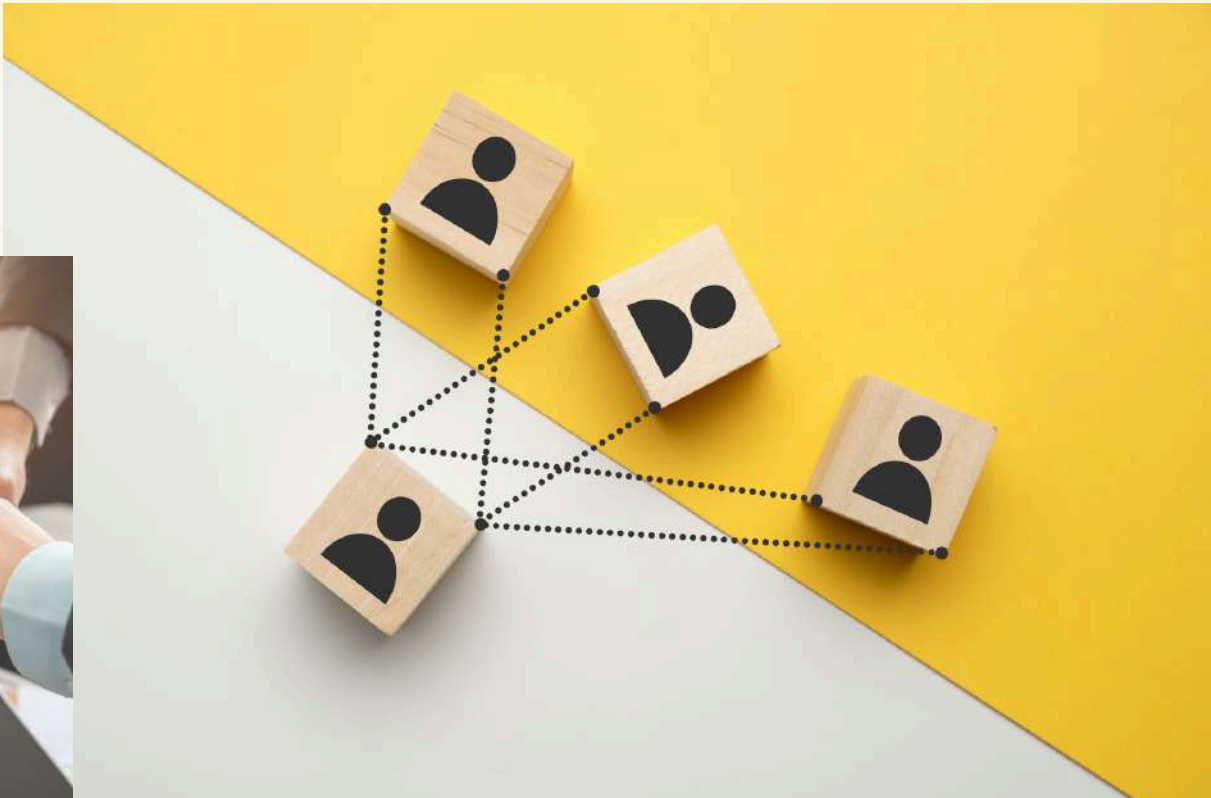


metsis.gelisim.edu.tr

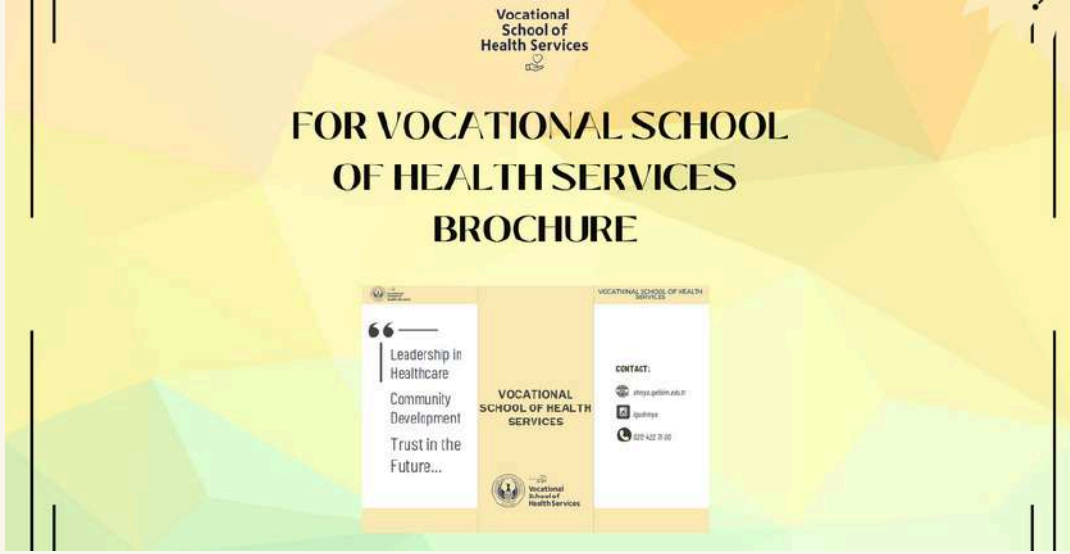
LEADERSHIP & GOVERNANCE & QUALITY



- GOVERNANCE MODEL AND ADMINISTRATIVE STRUCTURE
- MISSION AND STRATEGIC OBJECTIVES
- MANAGEMENT SYSTEM
- STAKEHOLDERS ENGAGEMENT
- GLOBALIZATION



THE BROCHURE FOR THE SCHOOL OF HEALTH SERVICES AND ALL ITS DEPARTMENTS HAS BEEN PUBLISHED.



To access the brochure for the School of Health Sciences and all programs, click [here](#).



To access Istanbul Gelişim University's 2024-2028 Strategic Plan, click [here](#).

İSTANBUL GELİŞİM
UNIVERSITY
2024-2028 STRATEGIC PLAN
PUBLISHED

VSHS QUALITY MEETING

Dr. Abdullah Yüksel Barut, Associate Dean of the Faculty of Economics and Administrative Sciences, and Dr. Nurcihan Tan Erkoç, Deputy Director of VSHS, gave presentations at a meeting held for the academic and administrative staff of the Vocational School of Health Sciences. The meeting entailed a discussion on "Quality Awareness and the Quality Improvement Activities of 2023-2024" and decisions were made regarding the improvement of existing lacking.



UNIVERSITY PREFERENCE & PROMOTION PERIOD

The preference and promotion period has begun with the announcement of the 2024 university entrance exam results. From July 19–21, the IGU and the Vocational School of Health Sciences team participated in the 2024 EKET University Fair and hosted many prospective students during the fair. As the Istanbul Gelişim University VSHS family, we continue to assist prospective students throughout the preference and promotion period with our experienced faculty members and expert team at Istanbul Gelişim University Tower.





TIME MANAGEMENT OF ASSOCIATE DEGREE STUDENTS DURING THE COVID-19 PERIOD

The COVID-19 epidemic that surfaced in 2020 brought up several difficult situations for the educational sector. In February 2020, schools were forced to halt their operations, initially in China and then globally. In the spring semester of the 2020 academic year, this circumstance forced many countries, including Turkey, to cease their educational programs and transition to distance learning. All students' educational experiences and nearly the entire educational system have undergone significant modifications as a result of this process.



Lecturer Ebru CENGİZ
Head of Health Institutions
Management Program

The option of online education has become more significant as a result of schools ceasing classroom instruction. Distance learning is defined as a possibility that provides students with convenient and adaptable learning settings at any time, regardless of location or scheduling. One of the characteristics that separates traditional education from distance learning is independence in terms of time and space, which is perceived as a benefit due to technological advances. It is possible to conclude that distance education benefits students in terms of both time and money. Nonetheless, studies have indicated that learners encounter numerous challenges when pursuing distance learning. Time management is one of these challenges.

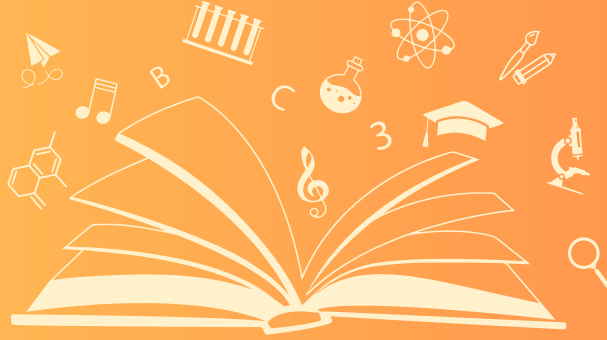
In the process of teaching and learning, time is crucial. Since time management entails self-management, learning requires students to go through a process of self-discovery. Sadly, rather than having time to learn about themselves, students are forced to compete due to the rapid advancements in technology and the age of speed in the twenty-first century. Regarding the efficiency of managerial and creative endeavors, there has been a rise in interest in and focus on time management in the twenty-first century. This circumstance highlights the need to incorporate time management instruction into curricula for pupils. For instance, a 2015 study carried out in Russia discovered that pupils struggled with time management due to a lack of educational background.

The COVID-19 pandemic brought about a time of crisis in education during which students were compelled to engage in at-home distance learning programs. This process has an impact on all parties involved in education, not just students. People are now more conscious of their time capital when at home, which they used to ignore altogether. This had varying physiological and psychological impacts on them due to the lockdown during the epidemic's restriction of physical movement. For the majority of students, it has been challenging to measure and evaluate their time effectively and to be aware of it. One explanation for this might be that the kids have never received time management instruction.

References: Demir F., Özdaş F., Çakmak M., "COVID-19 Salgın Sürecinin Eğitime Yansımaları: Fırsatlar ve Zorluklar", Journal of Education and Humanity, 2022.



EDUCATION



- PROGRAM DESIGN, EVALUATION, AND UPDATING
- PROGRAM IMPLEMENTATION (STUDENT-CENTERED LEARNING, TEACHING, AND ASSESSMENT)
- LEARNING RESOURCES AND ACADEMIC SUPPORT SERVICES
- FACULTY MEMBERS



STUDENT SPOTLIGHT

Communication with the Patient

Leyla ÖZTÜRK
Health Establishment. business
management

It is a critical element that directly affects the quality of healthcare services and patient satisfaction. Effective communication helps the patient understand his condition, actively participate in the treatment process, and increase his confidence in the treatment. Health professionals should use clear, understandable, and empathetic language when communicating with patients.

It is important to take the time to listen to the patient's medical history and current condition and understand their concerns and expectations. In addition, giving accurate and complete information to the patient, explaining treatment options, and answering their questions patiently are the basic elements of establishing a trusting relationship with the patient.

Furthermore, the body language and facial expressions of healthcare professionals also play a major role in communication with the patient. Establishing eye contact and showing a gentle and friendly approach makes the patient feel valued as a special.

Lastly, respecting patient privacy and confidentiality is another important element of establishing a trusting relationship with the patient. Effective communication not only increases patient satisfaction but also contributes to the successful completion of the treatment process. Therefore, healthcare professionals must constantly improve their communication skills and actively use these skills in their relationships with patients.



INSTITUTION VISITS FROM VSHS



The Director of VSHS, Prof. Dr. Mustafa Nizamlioğlu, and the Deputy Director, Dr. Nurcihan Tan Erkoç, along with their team, visited BHT CLINIC Istanbul Tema Hospital. During the visit, they met with both the HR Manager, Furkan Biçerer, and the students currently undertaking their summer internships.

The Director of VSHS, Prof. Dr. Mustafa Nizamlioğlu, and the Deputy Director, Dr. Nurcihan Tan Erkoç, along with the VSHS Internship Advisor, Dr. Ayşe Düşünür, visited Dr. Hızır Aslıyüksek, the President of the Forensic Medicine Institution. During the visit, discussions were held regarding internships and professional practice collaboration.



IGU GRADUATION CEREMONY BATCH OF 2024

Istanbul Gelişim University held its graduation ceremony on July 24-25 at the Yahya Kemal Beyatlı Congress Center. The ceremony opened with speeches by Mr. Abdülkadir Gayretli, Chairman of the Board of Trustees of Istanbul Gelişim University, and Prof. Dr. Bahri Şahin, Rector of Istanbul Gelişim University. The event concluded with an oath-taking ceremony conducted by Assoc. Prof. Dr. Serdar Egeli, the University Secretary, and the traditional cap tossing.

The top student of the Associate's Degree program at Istanbul Gelişim University, from the Health Services Vocational School Child Development Program, was Zeynep KITAY. We congratulate her and wish her continued success.



Certificate of Appreciation to the Family of Our Visually Impaired Student

The Rector of Istanbul Gelişim University, Prof. Dr. Bahri Şahin, presented a Certificate of Appreciation to Nurhan Akgün, the esteemed mother of Yuşa Fırat Akgün, a visually impaired student in the Medical Documentation and Secretarial Program. The presentation of the certificate was accompanied by Prof. Dr. Mustafa Nizamlioğlu, Director of VSHS, Deputy Directors Dr. Nurcihan Tan Erkoç and Lecturer Ali Karaağaç, as well as the Program Chair of Medical Documentation and Secretarial Program, Lecturer Dr. Nazlı Yüceol, who were all present to support the family.



RESEARCH AND DEVELOPMENT



scientific spend subsystems engineers
business carried eagle revise knowledge
belonging result create state tech
group refers **RESEARCH AND** product modern extreme exploitable
higher uncovering spend **DEVELOPMENT**
firm mechanisms eagle tech spend
customer high devoted specialized
tech amortizing engineering governmental

- ADMINISTRATION OF RESEARCH SOURCES AND RESEARCH PROCESSES
- RESEARCH COMPETENCE, COLLABORATION, AND SUPPORT



ARTICLES & PAPERS

Dr. Pelin Özgünay Boran, a faculty member of the Health Institutions Management Program at the School of Health Services, Istanbul Gelisim University, presented a paper at the 4th International Thrace Scientific Research and Innovation Congress on July 21, 2024.



Lecturer Ebru Cengiz, Head of the Health Institutions Management Program at the School of Health Services, presented her oral paper titled 'Examining the Impact of Technological Advances in Health Services on Patients' Quality of Life According to Age, Gender, and Education Level (Pacemaker Implantation)' at the 7th International Multidisciplinary Scientific Studies and Global Applications Congress.

Lecturer Aylin Koç, Head of the Hair Care and Beauty Services Program at the School of Health Services, presented her oral paper titled 'The Impact of Influencers on Purchase Behavior in Digital Cosmetic Marketing: A Case Study of Female Students at Istanbul Gelisim University' at the 7th International Multidisciplinary Scientific Studies and Global Applications Congress.



Lecturer Ebru Cengiz, Head of the Health Institutions Management Program, and Lecturer Aylin Koç, Head of the Hair Care and Beauty Services Program at the School of Health Services, have published a research article titled 'Hair Transplantation in Turkey within the Scope of Medical Tourism' in the International Journal of Social and Humanities Sciences.

PROJECT WRITING WORKSHOP



İSTANBUL
GELİŞİM
ÜNİVERSİTESİ

Çalıştay

Proje Yazma Sürecinde Ustalaşmak Başarı İçin İpuçları ve Püf Noktaları

Bilimsel ve Teknolojik Araştırma Projeleri
Hazırlama Çalıştayı



Doç. Dr. Gamze GÜNEY ESKİLER

Sakarya Üniversitesi Bilimsel Araştırma Projeler Koordinatörü



16 TEMMUZ SALI

17 TEMMUZ ÇARŞAMBA



13.00 - 16.00

11.00 - 16.00

J Blok Mehmet Akif Ersoy Konferans Salonu

gelisim.edu.tr



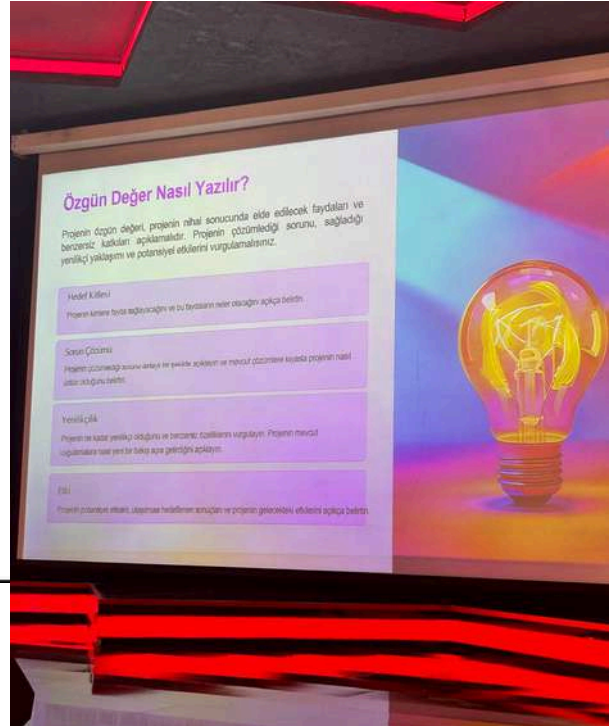
@gelisimedu



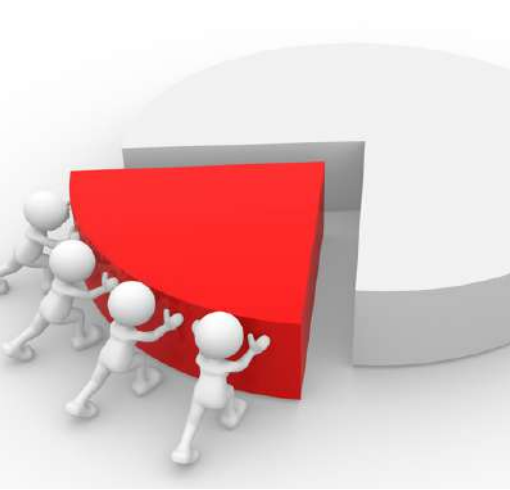
@igugelisim



The BAP Coordination Office of Istanbul Gelişim University organized a Scientific and Technological Research Projects Preparation Workshop titled "Mastering the Project Writing Process: Tips and Tricks for Success." The workshop, aimed at the faculty members of Istanbul Gelişim University, was conducted by Assoc. Prof. Dr. Gamze Güney Eskiler, the Research Projects Coordinator at Sakarya University, on July 16-17 at the Mehmet Akif Ersoy Conference Hall.



SOCIAL CONTRIBUTION



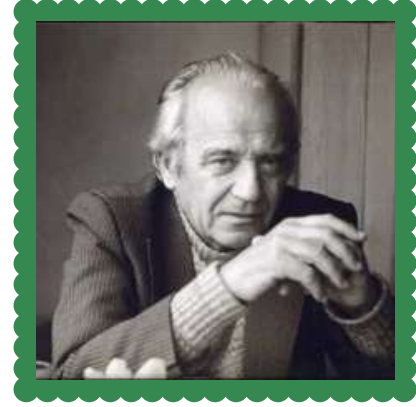
- MANAGEMENT OF SOCIAL CONTRIBUTION PROCESSES AND SOURCES
- SOCIAL CONTRIBUTION PERFORMANCE



COMMEMORATION

RIFAT ILGAZ

Rifat Ilgaz was especially known for his novel Hababam Sinifi. He maintained a socialist stance both in his writings and in his personal life. His magazine publishing career, which he continued during Turkey's most turbulent political periods, caused him, like many writers of the same period, to spend time in courthouse corridors and prisons. He fit his highly productive literary life into many different fields, from poetry to humorous stories, from novels to children's books. His once-collected work, Karatma Geceleri, was included in the 100 Fundamental Works list in 2004.



In a country where the hungry bow down, One should not talk of freedom.

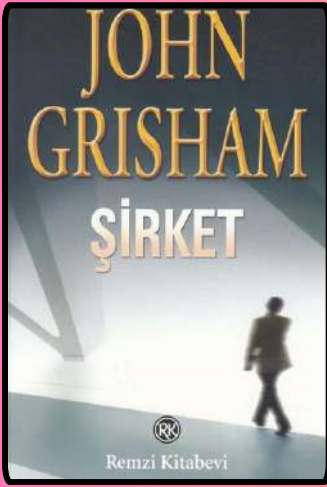
Rifat Ilgaz began his literary career in 1926 with the poem "Sevgilimin Mezarında" (My Beloved's Grave), published in the Kastamonu Nazikter newspaper. The poet, who was only fifteen years old, wrote under the pen name Mehmet Rifat at the time. He even managed to attract the attention of Faruk Nafiz, who was passing through Kastamonu. Although he wrote personal poems for a while, which were published in magazines such as Varlık and Oluş, he later did not include any of them in his books. According to him, these poems were an expression of the years he lived with his eyes closed. For a while, he worked with Nazım Hikmet, whom he believed brought a new perspective to the poetry technique.

Ilgaz was heavily involved in magazine publishing in the 1940s and 1950s. In any case, the economic and somewhat political conditions of the time did not allow for more voluminous works (books). During this period, he was imprisoned again for insulting the government and the Shah of Iran. He was released under the 1950 Amnesty Law. A group of intellectuals, who would later be called the "Fedailer Mangası", were trying to continue writing in magazines that were being published and then closed. A socialist literary approach, the outlines of which were rundown by Nazım Hikmet, who was especially appreciated by Rifat Ilgaz. This was a movement led by writers such as Sabahattin Ali, Aziz Nesin, Ömer Faruk Toprak, and Hasan İzzettin Dinamo. Rifat Ilgaz wrote most of his novels in the 1970s. These years were already a very productive period in Turkish novels, especially in works with political content. While writers such as Sevgi Soysal and Adalet Aolu wrote works in the genre called the March 12 novel, Ilgaz also produced works covering earlier periods. Although he seems to be inclined towards "local" literature, especially in his novels where he wrote about his life in Kastamonu, it is possible to say that he continued his line of populist literature because he dealt with the situation of the people in the historical process with the lives he narrated in these works. In terms of style, he continued his socialist-realist understanding, as seen in writers such as Adalet Aolu, Füzuran, and Ouz Atay, despite the emergence of modernist literature in this period. The Sivas Madımak Incident following the murder of Uğur Mumcu exhausted the writer emotionally. Mehmet Saydur describes these last periods in particular in great detail. Ilgaz passed away shortly after these events, on July 7, 1993.

Source: https://tr.wikipedia.org/wiki/R%C4%B1fat_Ilgaz

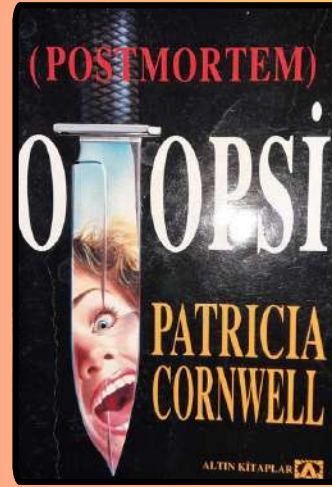


BIBLIOPHILE



The Firm (1991)
(TR: Şirket)
Author: John Grisham

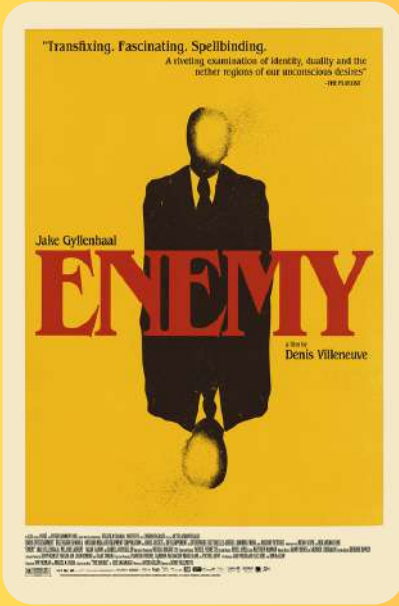
John Grisham's 1991 novel, "The Firm," opens a suspense-filled window into the world of law. The book begins with the young and successful attorney, Mitch McDeere, joining a prestigious law firm that promises an attractive salary and a luxurious lifestyle. However, it soon becomes apparent that the firm is deeply entangled in dirty dealings and crime. McDeere is forced to play a dangerous game to protect both himself and his loved ones. Grisham skillfully explores the boundaries of law and crime, providing readers with a constant sense of tension and curiosity. With its compelling plot and gripping narrative, "The Firm" stands as a modern classic in thriller literature.



Postmortem (1990)
(TR: Otopsi)
Author: Patricia Cornwell

The book tells the story of forensic pathologist Dr. Kay Scarpetta, who is trying to solve a series of murders in Virginia. As Scarpetta attempts to determine the complex motivations behind the killings and profile the culprit, she encounters a series of events that put her own life at risk. Cornwell's in-depth knowledge of forensic science and detailed character portrayals create a gripping and realistic atmosphere for the novel. "Postmortem" masterfully blends medical details with psychological tension, offering an unforgettable reading experience for thriller enthusiasts and establishing Dr. Kay Scarpetta as the central character in a popular series.

CINEMATOGRAPHY



Enemy (2013) (TR: Düşman) Dir.: Denis Villeneuve

Denis Villeneuve's 2013 film "Enemy" is a psychological thriller that pushes the audience to think deeply and question reality. Based on José Saramago's novel "The Double," this film features a remarkable performance by Jake Gyllenhaal in the lead role. Gyllenhaal plays two distinct characters – Adam, an ordinary history teacher, and Anthony, his exact double – taking viewers on a journey into the dark recesses of identity, existence, and the subconscious.

Villeneuve tells the story with a layered and symbolic narrative, successfully creating a constant sense of tension. The film's dream-like atmosphere, characterized by a grey and yellow color palette and mysterious spider symbols, offers a disturbing yet mesmerizing experience. Every scene directed by Villeneuve is masterfully crafted to reflect the turmoil within the characters' inner worlds and to mirror the audience's fears and anxieties. The film, with its unresolved mysteries and ambiguities, encourages viewers to ponder and discuss long after it ends. "Enemy" is a masterpiece that perfectly showcases Villeneuve's directorial skills and innovative storytelling approach.

Hotaru no Haka (1988) (EN: Grave of the Fireflies / TR: Ateşböceklerinin Mezarı) Dir.: Isao Takahata

An animated film telling the poignant story of two orphaned siblings struggling to survive in Japan during World War II. Adapted from Akiyuki Nosaka's semi-autobiographical novel, the film explores the devastating impact of war on the innocent deeply and emotionally.

Takahata's direction powerfully portrays the horrific face of war and the helplessness of children. The hardships faced by Seita and Setsuko, the two siblings, transform into a heart-wrenching story woven with love and solidarity. The detailed animation and visual richness draw the audience into the narrative, while the symbolism of fireflies highlights the fragility of innocence and life.

Takahata succeeds in touching the audience's hearts by conveying the characters' inner worlds and suffering in a simple yet striking way. "Hotaru no Haka" (Grave of the Fireflies) pushes the boundaries of the animation genre, portraying the tragedy of war and the resilience of the human spirit unforgettably. The film goes beyond being merely an anti-war piece, telling a universal story about the shared pains and losses of humanity.



PRELUDE



Close to the Edge (1972)

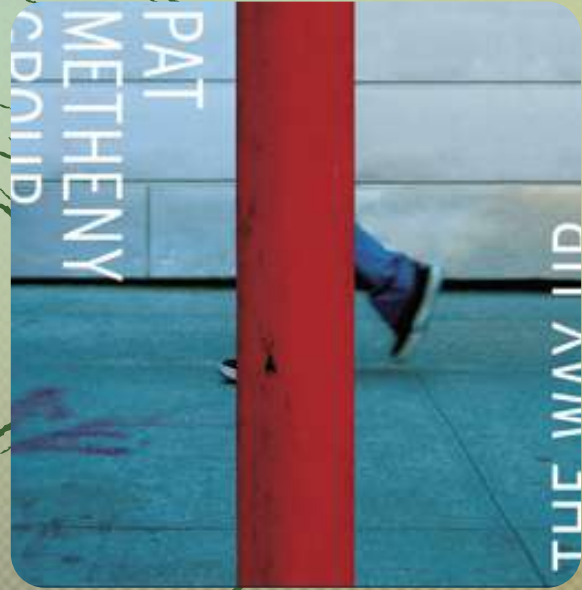
Yes

"Close to the Edge" - 18:43

"And You and I" - 10:12

"Siberian Khatru" - 8:56

Length: 37:51
Genre: Progressive Rock



The Way Up (2005)

Pat Metheny

"The Way Up - I. Opening" - 5:17

"The Way Up - II. Part One" - 26:27

"The Way Up - III. Part Two" - 20:29

"The Way Up - IV. Part Three" - 15:54

Length: 68:07
Genre: Jazz, Jazz Fusion

NEXT MONTH IN ISTANBUL

MUSIC - FESTIVAL

1st August- Gülşen - Harbiye Cemil Topuzlu Open- Air Theater

3rd August-Yaşar- Harbiye Cemil Topuzlu Open-Air Theater

6th August - Ajda Pekkan - Harbiye Cemil Topuzlu Open-Air Theater

8th - 9th August - Ata Demirer Gazinosu - Harbiye Cemil Topuzlu Open-Air Theater

10th August - Mert Demir - Harbiye Cemil Topuzlu Open-Air Theater

18th August - Cem Adrian - Harbiye Cemil Topuzlu Open-Air Theater

23rd August - Hayko Cepkin - Harbiye Cemil Topuzlu Open-Air Theater



THEATER - MUSICAL

1st August- Frida Kahlo- Bakırköy AyDem Stage

4th August - Ali Poyrazoğlu Şingir Şingir Beyoğlu Oyunu - Kadıköy Municipality - Selamiçeşme Özgürlük Park

8th August - Fırat Tanış ile Gelin Tanış Olalım Oyunu- Kadıköy Municipality - Selamiçeşme Özgürlük Park

16th August- Shirley Valentine - Sumru Yavrucuk -Kadıköy Municipality - Selamiçeşme Özgürlük Park

18th August- Nilgün Belgün ile Aşk ve Komedî Oyunu- Kadıköy Municipality - Selamiçeşme Özgürlük Park



YESTERDAY, TODAY, TOMORROW

CULTURE & ART

- July 3, 1988 - Fatih Sultan Mehmet Bridge opened in Istanbul.
- July 4, 1776 - American Declaration of Independence; The American Congress declared independence from Great Britain. It is celebrated as the foundation day of the United States.
- July 7, 1974 - Germany won the 1974 FIFA World Cup.
- July 9, 1961 - The 1961 Constitution of the Republic of Turkey was accepted as a result of a referendum.
- July 12, 1932 - Turkish Language Association was founded.
- July 13, 1930 - The first World Football Championship started in Montevideo, the capital of Uruguay.
- July 13, 1985 - Live Aid concert was held to raise funds for famine relief in Africa.
- July 17, 1867 - The first volume of Marx's Das Kapital was published.
- July 18, 1925 - Adolf Hitler published his personal manifesto Mein Kampf, in which he explained his national socialist ideas.
- July 19, 1996 - The 1996 Summer Olympics began in Atlanta, Georgia.
- July 21, 356 BC - A young man named Herostratus burned the Temple of Artemis in Ephesus, one of the Seven Wonders of the World.
- July 23, 1939 - Hatay was annexed to Turkey



HEALTH & SCIENCE

- July 2, 1900 - The Zeppelin aircraft built by Ferdinand von Zeppelin was tested near Friedrichshafen, Germany and was successful.
- July 4, 1997 - The research robot called "Pathfinder" sent by NASA landed on the surface of Mars. July 4, 2012 - The Higgs boson was discovered.
- July 5, 1687 - Isaac Newton published his work called Philosophiæ Naturalis Principia Mathematica.
- July 5, 1996 - Dolly, a sheep, became the first mammal cloned from an adult cell.
- July 8, 2011 - The Atlantis Space Shuttle was launched on the final mission of the Space Shuttle program.
- July 10, 1996 - The Türksat satellite was launched into space from French Guiana and settled into its temporary orbit.
- July 14, 2015 - The spacecraft called New Horizons reached Pluto.
- July 17, 1975 - The American spacecraft Apollo and the Russian spacecraft Soyuz merged in space.
- July 18, 1975 - The Apollo-Soyuz docking was broadcast live on television.
- July 20, 1969 - For the first time in history, a manned spacecraft reached the Moon. Astronauts Neil Armstrong and Buzz Aldrin, who landed on the lunar surface with Apollo 11, became the first people to set foot on the Moon.
- July 29, 1958 - NASA was founded.



INVENTIONS AND DISCOVERIES

SERUM



Serums, a pivotal milestone in the development of medicine, have played a significant role in preserving and treating human health. Serums are specialized solutions containing antibodies, primarily used to provide immunity against infectious diseases.

The history of serums dates back to the late 19th century. German bacteriologist Emil von Behring and Japanese bacteriologist Shibasaburo Kitasato carried out research on producing antitoxins from animals to provide immunity against diseases like diphtheria and tetanus. Their work in the 1890s led to the discovery of special fluids containing antibodies against toxins produced by microbes. When administered to individuals exposed to the disease, these fluids reduced the severity and facilitated recovery. Emil von Behring was awarded the Nobel Prize in Medicine in 1901 for his discovery of the diphtheria serum.

Serums are typically derived from blood plasma or produced by animals (often horses or sheep) to generate antibodies. These antibodies are designed to confer immunity against specific diseases. For example, serums developed against toxins from diseases like diphtheria or tetanus neutralize the disease agents and support the patient's immune system.

Serums have been particularly crucial in the treatment of infectious diseases in the past. They have been life-saving for diseases such as diphtheria, tetanus, and rabies, preserving the health of millions of people. Additionally, serums are widely used in the development of vaccines and antibody therapies. For instance, during the COVID-19 pandemic, monoclonal antibody serums played a significant role in treating the disease and expanding treatment options.

Serums are recognized as a major advancement in medicine and a critical tool for preserving human health. These specialized solutions containing antibodies actively protect against many diseases and play an effective role in treatment protocols.




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TÜRKİYE CUMHURİYETİ'NİN YÜZÜNCÜ YILI

VOCATIONAL SCHOOL OF HEALTH SERVICES

**Director of the Vocational School of Health
Sciences**

Professor Mustafa NİZAMLIOĞLU

**Assistant Director of the Vocational School of
Health Sciences**

Assistant Professor Nurcihan TAN ERKOÇ

**Assistant Director of the Vocational School of
Health Sciences**

Lecturer Ali KARAAĞAÇ

PUBLISHERS & EDITORS

Asst. Prof Seçil KIRLANGIÇ ATAŞEN

Asst. Prof İlksen SARI O

Lecturer Mehmet GÖL

Lecturer Fadime Aybüke KILIÇ

Lecturer Çağdaş ADIÖREN

Lecturer Raheela ZAHEER

Coordinator Lecturer Emek UÇARMAN

shmyo@gelisim.edu.tr



igushmyo



igushmyo