AJUMSIA

AJUMS INTERNATIONAL AFFAIRS



Gondishapur University 1926 to 1931 AD.

The Triangular Building of Ahvaz Its Connection to the Legacy of Gondishapur

As we present the fourth issue of AJUMSIA, I would like to take a moment to reflect on a part of our university's history that connects us to Ahvaz's broader intellectual heritage. One of the most distinctive architectural landmarks of our city, the Triangular Building, is more than just a modern structure—it symbolizes the deep-rooted legacy of knowledge and innovation that has defined this region for centuries.

Ahvaz has long been a center of culture and learning, a tradition that dates back to the renowned Academy of Gondishapur. Founded during the Sassanid era (3rd century AD), Gondishapur was one of the most significant centers of education in the ancient world. It brought together Persian, Greek, Indian, and Syriac knowledge in fields such as medicine, philosophy, mathematics, and astronomy, pioneering one of the first-known teaching hospitals and fostering an unparalleled intellectual exchange.

While the golden age of Gondishapur has passed, its influence remains woven into the fabric of Ahvaz. The Triangular Building, with its striking form, serves as a modern reflection of this historical role. Though contemporary in design, it stands as a reminder that Ahvaz has always been a place where ideas converge and knowledge thrives. This continuity between past and present reinforces our commitment to academic excellence and innovation.

By acknowledging and embracing this legacy, we reaffirm our responsibility to carry forward the spirit of Gondishapur—ensuring that the pursuit of knowledge remains at the heart of our institutions, architecture, and scholarly endeavors.

Dr. Somayeh Biparva
AJUMS Director of International Affairs



MESSAGE FROM
THE EDITOR-IN-CHIEF

On behalf of the editorial team at the AJUMSIA Journal, I extend heartfelt congratulations to all returning and newly enrolled students, as well as our esteemed faculty, on the commencement of the new academic year. We wish you a successful and fulfilling journey at Ahvaz Jundishapur University of Medical Sciences (AJUMS). May you achieve excellence in both academic and personal endeavors.

We also congratulate Dr. Boostani on his appointment as the Acting President of AJUMS. We trust that Dr. Boostani and his team will uphold the values of the Islamic Republic of Iran and advance the university's mission. With their leadership, we anticipate significant progress in the internationalization of medical education at AJUMS.

Our sincere gratitude goes to Professor Sarmast, the former president of the university, for his unwavering support of AJUMS International Affairs.

In this edition of the AJUMSIA Journal, we present a compilation of educational and scientific events organized by AJUMS International Affairs during the autumn of 2024. We invite you to explore this volume and look forward to your engagement with the content.

Sincerely,

Dr. Maryam Tahmasebi-Birgani Editor-in-Chief

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Ministry of Health and Medical Education Announces

Appointment of New President at Ahvaz Jundishapur University of Medical Sciences



In a letter issued in late December 2024, Dr. Mohammad-Reza Zafarghandi, the Minister of Health and Medical Education, appointed Dr. Hatam Boostani as the new president of Ahvaz Jundishapur University of Medical Sciences (AJUMS).Dr. Boostani is an Assistant Professor of Psychiatry in the Department of Psychiatry at the School of Medicine. In his appointment letter to Dr. Boostani, the Minister wrote: "Serving the dear people of our country is a precious opportunity and blessing that God has bestowed upon His servants. This opportunity holds even greater value in the field of health, as it reduces the suffering of the people and improves societal well-being. In view of your commitment and valuable experience, you are hereby appointed as the President of Ahvaz Jundishapur University of Medical Sciences and Health Services. It is expected that, given the importance of realizing the goals set forth by the esteemed President, implementing the general policies of the health system, and achieving the objectives of the Seventh Development Plan, you will prioritize collaboration, respect for all stakeholders—including esteemed academic staff, health workers, and students—and elevate the status of the university community. This community is the driving force behind the country's development. May you find success in fulfilling your responsibilities by relying on God Almighty." Dr. Boostani succeeds Dr. Sarmast, who previously served as President of AJUMS. The Minister also expressed his gratitude to Dr. Sarmast, acknowledging his dedication and contributions during his tenure as president of the university.

Empowering Progress

Through Collaboration

On November 26, 2024, the AJUMS Office of International Affairs had the privilege of hosting Dr. Mohtadi, Vice President for University Development, Financial, and Human Resources, along with his esteemed team. Their unwavering support and forward-thinking vision have been instrumental in advancing AJUMS's internationalization initiatives.



This visit underscored a shared commitment to fostering a globally connected future and elevating the university's presence on the international stage. We extend our sincere appreciation to Dr. Mohtadi and his team for their dedication and contributions toward shaping a brighter, more interconnected future for AJUMS.

Holding a virtual meeting of International Affairs

Of Ahvaz Jundishapur University of Medical Sciences With the International Units of the Country's 4th Planning region

In line with the application of the macro-international policies of the Ministry of Health, Treatment and Medical Education and in order to further coordinate the international management of Ahvaz University of Medical Sciences with the macro-international units of the 4th region of the country and to improve the international indicators of affiliated universities, the International Affairs of Ahvaz Jundishapur University of Medical Sciences held a virtual workshop to transfer internationalization experiences at the levels of general considerations in accepting international students, international communication preparations, educational issues for international students, international conferences and university









rankings, and student-consular affairs for international students. This virtual meeting was held during 9.8. 403 until 14-9-403 in which Director and all supervisors of AJUMS International Affairs shared their experiences in area of their supervision with audiences.

Raising Awareness:

Early Hearing Detection and Intervention

On October 14, 2024, we proudly hosted an insightful webinar on Early Hearing Detection and Intervention, led by the distinguished Prof. Saki and Dr. Bayat. The event attracted a diverse audience of medical students and professors, whose active engagement and positive feedback underscored the significance of the discussions. The session offered valuable insights into the latest advancements in early hearing screening and intervention, emphasizing its role in shaping better outcomes for individuals with hearing challenges.



This important topic gained even greater relevance as it coincided with the International Day of the Deaf, a global occasion dedicated to raising awareness about hearing health. The webinar highlighted how timely detection and intervention can transform lives by enabling access to effective treatments and fostering inclusion within society. The event was a true testament to the power of collaboration and shared knowledge in driving awareness and action toward critical health issues. Such conversations not only educate but also inspire our community to champion initiatives that prioritize early intervention and comprehensive care. We extend our deepest gratitude to Dr. Ghafouri and her dedicated team for their meticulous planning and unwavering commitment to ensuring the success of this impactful webinar. Their efforts in organizing and coordinating this event were instrumental in creating a platform for meaningful dialogue and learning. Together, let us continue to shine a light on the importance of hearing health, fostering awareness, and advocating for solutions that improve the quality of life for all.



An Exceptional Webinar on

TAVI with Prof. Heybar



We had the privilege of hosting an outstanding webinar on Trans catheter Aortic Valve Implantation (TAVI), led by the renowned Prof. Heybar. The session provided invaluable insights into the complexities of TAVI, including patient selection criteria and procedural techniques, making it an incredibly enriching experience for both professors and students. Prof. Heybar's expertise and ability to simplify complex concepts were truly inspiring, solidifying his reputation as a leading authority in cardiology. The webinar was not just a lecture—it was a dynamic exchange of ideas. The energy in the room was palpable as attendees actively engaged in a lively Q&A session, diving deeper into the topic with thoughtful questions and stimulating discussions. These interactive moments emphasized the growing interest in advanced cardio logical interventions like TAVI, highlighting the importance of educational opportunities in this vital field. Our sincere gratitude goes to Prof. Heybar for his exceptional presentation and for sharing his extensive knowledge. A special thanks also to Dr. Ghafouri, Dr. Tahmasebi, and their dedicated team for their impeccable organization and execution of this event. Their hard work ensured not only the success of the webinar but also its lasting impact on all who participated. Events like this continue to strengthen our academic community, inspire future innovations, and deepen understanding in the ever-evolving field of cardiology.

AI & Stem Cell Research:

Bridging Science and Technology

On December 2, 2024, an inspiring international webinar on AI and Stem Cell Research brought together six exceptional Iranian and international medical students to showcase groundbreaking discoveries in these rapidly evolving fields. The event underscored the transformative potential of integrating science and technology to pioneer innovative treatments and reshape the future of healthcare. This remarkable gathering was made possible through the dedicated efforts of Dr. Ghafouri, Dr. Tahmasebi, and the USERN team, whose expertise and guidance were invaluable. Special recognition is also due to Ms. Abbadi Moghaddam, a PhD candidate in Physiology, for her pivotal mentorship, which ensured the event's success. We extend heartfelt gratitude to all the participating students and esteemed professors whose contributions enriched the discussions and made this event a celebration of collaborative knowledge. Together, we continue to break new ground in medical research and innovation!



Sardar's Journal Club:

Highlighting Menstrual Hygiene



On October 21, 2024, Sardar Huzaifa Mahmoud Khan, a dedicated medical student from Pakistan in the physiopathology phase at AJUMS, led an impactful Journal Club session on Menstrual Hygiene. Organized by the USERN Office of AJUMS International Affairs, the session addressed the critical topic of menstrual health, offering valuable insights into safe hygiene practices. Sardar's thoughtful initiative underscored the importance of open dialogue and education in promoting safety, dignity, and overall wellness. Let us continue to break the stigma and build awareness for a healthier, more inclusive future!

Arranging a Virtual Scientific and Cultural Conference

Between Volgograd University and Mazandaran University

As part of the cooperation agreement between Mazandaran University and Volgograd State Medical University in Russia, an educational-student workshop on the Dialogue of Cultures within the framework of the Russia-Iran project was held via video conference on Tuesday, November 29, 2020.



The workshop featured participation from distinguished academics and administrators, including Dr. Shajari, a professor of history at Mazandaran University; Dr. Ramezani, the director of international affairs; Dr. Hosseini Mehr, the dean of the Faculty of Pharmacy in Sari; and Dr. Mohammadreza Navaeifar, advisor to the president and director of the presidency of Mazandaran University of Medical Sciences. Additionally, faculty members from the faculties of pharmacy, medicine, nursing, and dentistry at Mazandaran University of Medical Sciences, along with the Board of Directors and a group of students, contributed to the event. This workshop served as an important step in fostering cultural and academic dialogue between the two institutions, strengthening ties and promoting collaboration in the fields of education and science.

Source: Official website of Mazandaran University, December 11, 2024.





Student Research Committee at Jundishapur University of Medical Sciences, hosted several journal clubs on diverse topics:

Menstrual Hygiene

On October 16, 2024, a journal club on menstrual health was presented by an international medical student.

Marijuana and THC

On November 25, 2024, a journal club covering the topic of marijuana, THC, and related subjects was presented by Mr. Shayan Taghipour, a medical student.

Epidemic of Cesarean Sections

On December 16, 2024, a journal club discussing the Epidemic of Cesarean Sections was presented by Ms. Minoo Shafiee Nia and attracted many participants.

Burnout in Midwives

A journal club titled "Lack of Autonomy and Professional Recognition as Major Factors for Burnout in Midwives" was held on November 19, 2024, presented by Ms. Fatemeh Yousefi.

Alzheimer's Disease

A journal club titled "Alzheimer's" was held on December 9, 2024, presented by Mr. Mahan Maqsoudi.

Defensive Medicine

A journal club on Defensive Medicine was conducted on November 18, 2024, presented by Ms. Negar Bahmaei, a medical student.

Workshops Held in the Fall of 2024

The USERN Office and the International Affairs Management collaborated with the Student Research Committee to organize the following workshops:

1. Research Methodology

A workshop on research methodology was held on October 19, 2024, and was conducted by Dr. Samira Ghafoori.

2. Proposal Writing

On October 20, 2024, a proposal writing workshop was taught by Dr. Niloufar Nisi.

3. Reference Writing Using EndNote Software
A workshop on reference writing using EndNote was conducted by Dr. Ehsan Beigzadeh on October 29, 2024.

4. Article Writing

A workshop on writing original research articles was held on November 3, 2024, led by Dr. Seyed Esmaeil Khoshnam.

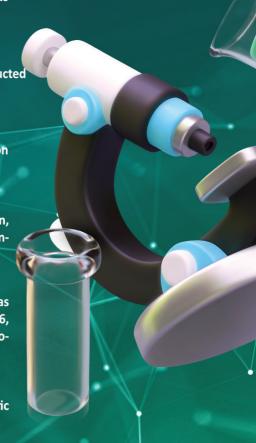
5. Innovation, Technology, and Patent Registration
On November 9, 2024, a virtual workshop on innovation, technology, and the patent registration process was conducted by Mr. Mehran Bakhtiari.

6. Case Report Article Training

A three-part workshop on case report article writing was held on November 23, November 30, and December 16, 2024, conducted by Dr. Mohammad Bahadaram, a neurology resident.

7. Systematic Review Article Writing
On November 24, 2024, a workshop on writing systematic review articles was conducted by Dr. Elham Shakerian.

8. Techniques for Assessing Cell Viability and Toxicity A workshop on cell viability and toxicity assessment techniques was held on November 26, 2024, conducted by Ms. Nazari, a Ph.D. student in Clinical Biochemistry.



Dr. Najmaldin Saki Recognized Among Top 100

Hematology Scientists in Asia for 2025



Dr. Najmaldin Saki, an Associate Professor in the Department of Laboratory Sciences at Ahvaz Jundishapur University of Medical Sciences (AJUMS), has been honored as one of the Top 100 Hematology Scientists in Asia for 2025. This prestigious recognition is based on total h-index scores, reflecting Dr. Saki's significant contributions to the field of hematology.

Dr. Saki earned his Ph.D. from Tarbiat Modares University in Tehran and subsequently completed his fellowship at Iran University of Medical Sciences. He serves as a faculty member in the School of Allied Medical Sciences at AJUMS. In 2009, he was recognized as the top-ranked student in Iran, highlighting his early commitment to academic excellence.

The Office of International Affairs at AJUMS extends heartfelt congratulations to Dr. Saki on this remarkable achievement and wishes him continued success in his scientific endeavors.

Strengthening Cultural Collaboration





We are excited to announce that Prof. Faraji and his dynamic team from the AJUMS International Student and Cultural Affairs will spearhead a new collaboration under the Office of International Affairs!

In partnership with Mr. Habibi, Director of Cultural Affairs at the University Deputy of Cultural and Student Affairs, this initiative is set to create meaningful opportunities for international students to officially engage in cultural associations, gatherings, and activities.

Together, we are fostering a more vibrant and inclusive community, celebrating diversity and enhancing student life at AJUMS!

Japanese Convert Atsuko Hoshino Shares Her Journey to Islam at Ahvaz Jundishapur University

Ahvaz, November 12, 1403 – Ahvaz Jundishapur University of Medical Sciences hosted a special event today featuring Ms. Atsuko Hoshino, a newly converted Japanese Muslim, alongside the signing ceremony for her book Born in Tokyo.

During the event, Hoshino shared personal reflections on her journey to Islam, recounting the experiences and realizations that led to her conversion. She emphasized that the most profound lesson she found in Islam was the attainment of true self-knowledge.

"The most beautiful teaching in Islam is the ability to achieve correct self-awareness. I came to understand that our ultimate goal is not in this world but in the next, and this realization answered many of my questions," she stated.

The session also included an interactive discussion with students and university staff. When asked about the hijab and its perception as a restriction, Hoshino provided a thought-provoking response.

"Absolute freedom does not exist, as some freedoms inevitably infringe upon others. With the hijab, I experienced a deeper sense of inner freedom. It allows me to choose who sees me and who does not. True freedom lies in servitude to God, and the ultimate freedom is found not in this world, but in the hereafter," she explained.

In closing, Hoshino reflected on the meaning of her name, saying, "Atsuko means happiness, and Hoshino means the land of stars."

The event provided an insightful dialogue on faith, identity, and the philosophical dimensions of freedom, leaving a lasting impression on attendees.





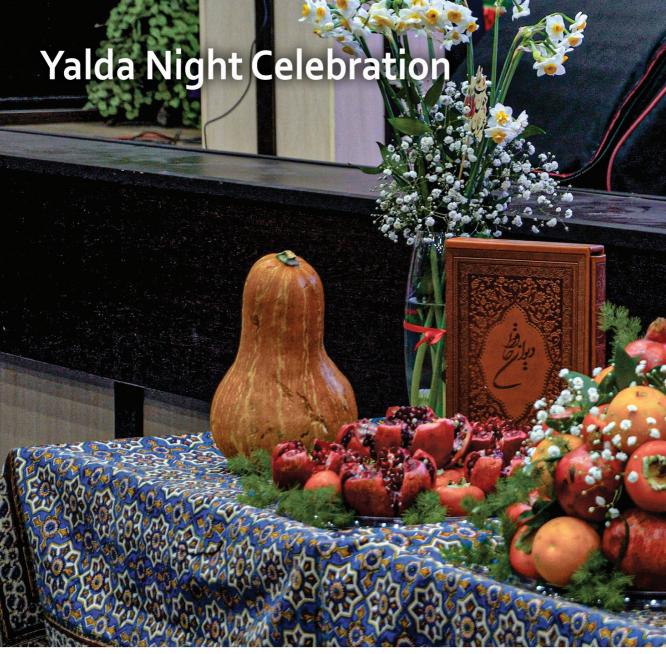
Celebrating Excellence in Sports!



Congratulations to the AJUMS international community for your outstanding achievements in the recent badminton competition! Securing 1st and 3rd positions among 12 participants is a testament to your talent and dedication.

A special mention goes to Zeeshan Bilal and Chand Sheraz for their exceptional performances, which truly embody the strength and spirit of our international student community.

We also extend our heartfelt gratitude to the University Sports Center for their invaluable support in making this success possible. Your teamwork and determination continue to inspire us all!



On Wednesday, December 20th, we gathered to celebrate Yalda Night, an occasion dedicated to sharing the rich and timeless culture of Iran with our international students. The evening was a tapestry of heartfelt moments, featuring the recitation of Hafez's poetry, Shahnameh readings, and captivating performances that highlighted the beauty of Persian traditions.

Adding a joyful touch, students delighted the audience with a lively comedy show. The event also embraced diversity, as many participants shared poems in their native languages, creating a profound sense of unity and togetherness.

We extend our deepest gratitude to the esteemed faculty and students who joined us, especially Dr. Bijanzadeh, Vice President of Student Affairs, and Prof. Mard, former Director of International Affairs, for honoring us with their presence.



A special thanks goes to the incredible collaboration of the College of Language and the dedicated colleagues from the International Student and Cultural Affairs Office, whose tireless efforts brought this magical evening to life.

Together, we celebrated not only the longest night of the year but also the shared bonds that connect us all.

AJUMSIA Student Diary







Book Reading Competition

Enriches Cultural Engagement at AJUMS International College

On November 26 and 27, 2024, AJUMS College of Language hosted a book reading competition for its international students. The event showcased selected excerpts from seminal works of Persian literature, including Shahnameh, Kalileh and Demneh, Saadi's Golestan, and Rumi's Masnavi Ma'navi.

The competition drew enthusiastic participation, with students delivering presentations evaluated by a panel of judges. The top performers were honored during the Yalda Night celebration, where the top three winners received special awards. This initiative provided an excellent opportunity for students to become more familiar with the richness of Persian literature and to foster a deeper appreciation for reading.

Such cultural activities play a pivotal role in enhancing the educational experience of international students, promoting cultural exchange, and fostering a sense of community within the university.

The success of this event underscores the commitment of College of Language to providing a holistic and culturally enriching environment for its diverse student body.





Oranges are among the world's most delicious and popular fruits. Iran holds a prominent position in global orange production, with cultivation spanning regions such as Mazandaran, Khuzestan, and Fars. Dezful, a city in Khuzestan province, stands out as a significant agricultural hub, supplying approximately 90% of the province's citrus fruits from over 5,000 hectares of orchards. Renowned for producing healthy and organic citrus varieties—including lemons, tangerines, grapefruits, and various types of oranges—Dezful's products are recognized as a brand in both domestic and international markets.

In pursuit of global recognition, provincial officials and the Dezful Agricultural Jihad have initiated the process of registering high-quality products like Dezful oranges with the Food and Agriculture Organization (FAO). This endeavor aims to solidify the agricultural standing of Dezful and promote the city's potential in the agricultural sector. Preparations are underway, with the necessary forms for global registration of Dezful oranges having been received from the FAO, facilitating the achievement of this goal in the shortest possible time.

This initiative underscores the commitment to enhancing the global presence of Dezful's agricultural products, ensuring their quality and authenticity are recognized worldwide.

Top Educational Faculty MembersOf Ahvaz Jundishapur University



Dr. Abdollah RafieiSchool of Medicine



Dr. Fariba ShiraliSchool of Medicine



Dr. Fatemeh TaheriScool of Rehabilitation



Dr. Ali Vefagh Nematollahi School of Medicine



Dr. Fereshteh Golfakhrabadi School of Pharmacy



Dr. Farkhondeh Jamshidi School of Medicine



Dr. Amirabbas Azizi School of Allied Medicine



Dr. Maryam Pourshams School of Medicine



Dr. Mahin GheibizadehSchool of Nursing and Midwifery



Dr. Elham Kargarzadeh School of Medicine



Dr. Fatemeh BabadiSchool of Dentistry



Dr. Mohsen SarkarianSchool of Medicine



Dr. Asadollah Ahmadzadeh School of Dentistry



Dr. Sassan Moogahi School of Medicine



Dr. Ali Akbar Babaei School of Health



Dr. Fatemeh JavaherforooshzadehSchool of Medicine

Top Ethics Faculty MembersOf Ahvaz Jundishapur University



Dr. Seyed Ahmad Hosseini School of Allied Medicine



Dr. Ali Jelowdar School of Medicine



Dr. Shahin GoharpeySchool of Rehabilitation



Dr. Anayatollah Salimi School of Pharmacy

Icons of Excellence



Dr. Javad Marfou



Dr. Mohammad Hassan Hafezi



Dr. Abdolhossein Mahdi Nasab



Dr. Nozar Nasajian

AJUMS Top Students

Mohammad Bahadram

Hossein Ghaedamini

Shahrazad Molavinia

Subhan Bahraini

Technology Innovator Student

Saeede Shariati

Elahe Mohammadi





Every year on October 12, Iran commemorates Hafez Day, celebrating the life and legacy of Khwaja Shams al-Din Mohammad Hafez-e Shirazi (c. 1315–1390), one of the most revered poets in Persian literature. Hafez's Divan, a collection of mystical and lyrical ghazals, remains a cornerstone of Persian poetry, shaping both the language and cultural identity of Persian speakers for centuries.

Hafez's poetry is distinguished by its masterful use of metaphor, symbolism, and intricate wordplay, enriching the Persian lexicon and setting linguistic standards that persist to this day. His ghazals, blending themes of love, spirituality, and human longing, have introduced numerous phrases, idioms, and expressions into everyday Persian speech. His words continue to be quoted in conversation, literature, music, and even in fal-e Hafez—a unique form of bibliomancy where people seek guidance by randomly selecting a verse from his Divan.

Beyond Iran, Hafez's influence extends across cultures, inspiring poets such as Goethe and Emerson, and leaving an imprint on world literature. For Persian speakers, his poetry is not just a literary treasure but a living presence, continuously shaping and refining the Persian language. The annual celebration of Hafez Day serves as a testament to his enduring impact, ensuring that his legacy remains vibrant across generations and borders.

Source: Khorramshahi, Baha al-Din. Hafez Studies. Tehran: Sokhan Publications, 1999.

Maulana Jalaluddin Mohammad Balkhi (Rumi)

Maulana Jalaluddin Mohammad Balkhi, widely known as Rumi, was a great poet and mystic of the 7th century AH. He was born in 604 AH (1207 CE) in Balkh, a city of Greater Khorasan in what is now present-day Afghanistan. Rumi spent much of his life under Seljuk rule and came from a lineage steeped in Islamic mysticism.

A transformative moment in Rumi's life occurred in 642 AH (1244 CE) when he met Shams Tabrizi, a spiritual teacher who profoundly influenced him. This meeting sparked a spiritual revolution within Rumi, leading him to renounce his roles as a teacher and jurist to focus on self-discovery and inner enlightenment.

Rumi is celebrated as one of Iran's cultural treasures and a divine scholar whose works have resonated across the globe, inspiring profound change. He is among the most important and renowned poets in history, with his legacy enduring for centuries. Writing primarily in Persian, Rumi's works include some of the most significant contributions to Persian literature. These include:

- · The Mathnavi (Masnavi-ye Ma'navi)
- Divan-e Shams-e Tabrizi (Divan of Shams)
- Rubaiyat (Quatrains)
- Maktoubat (Letters)
- Fihi Ma Fihi (In It What's In It)
- Majalis-e Saba' (Seven Sessions)

Rumi's writings emphasize themes of tolerance, love, kindness, and spiritual awareness, all rooted in an unwavering devotion to the ultimate Beloved, God.

He passed away in 672 AH (1273 CE) in Konya, in modern-day Turkey. In Iran, Rumi's legacy is honored annually on 8 Mehr (September 30), celebrated as Rumi's Day.

Online Sources:

- Ganjoor
- Payam-e-Edalat

Nima Youshij

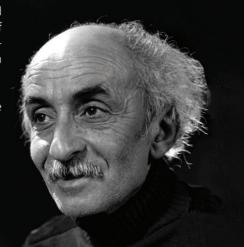
Ali Esfandiari (November 11, 1897 – January 13, 1960), widely known as Nima Youshij, was an Iranian poet and the founder of modern Persian poetry. Born in the village of Yoush, part of the Baladeh district in Noor County, Mazandaran Province, he is celebrated as the "Father of Modern Persian Poetry" in Iran.

Nima is regarded as one of the most influential poets in contemporary Iranian literature. He consciously challenged the traditional foundations and structures of classical Persian poetry, pioneering a revolutionary style that he himself called modern poetry. This innovative approach later came to be known as Nimaic poetry.

Among Nima Youshij's most notable works are Seven Books and Marqed Agha. His poems often reflect the struggles and suffering of society, giving voice to the pain of the people. He also drew significant inspiration from nature, with the landscapes of northern Iran frequently serving as a vivid backdrop in his poetry.

Nima's groundbreaking contributions to Persian literature continue to influence and inspire generations of poets and writers.

Source: Wikipedia- Nima Youshij





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The Shushtar Historical Hydraulic System, a masterpiece of ancient engineering, is an island city from the Sassanid era, located in Iran's Khuzestan Province. Recognized as Iran's 10th cultural heritage site by UNESCO, it was inscribed on the World Heritage List in 2009. Renowned French archaeologist Jane Dieulafoy described this site as the largest industrial complex of its kind before the Industrial Revolution.

This extraordinary system exemplifies ancient water management and usage, showcasing a sophisticated network of dams, tunnels, and canals designed for industrial and economic purposes. At its heart lies the Gargar Weir, a structure that functioned similarly to modern dams by diverting water from the Gargar River branches to power the system.

Key components of this hydraulic marvel include:

- The Bolayti Canal, located on the eastern side of the watermills, which supplied water from behind the Gargar Bridge and protected the mills from damage.
- The Dahaneye Shahr Tunnel, one of the system's three primary tunnels, which channeled water from behind the Gargar Weir into the mills, driving their mechanisms.
 - The Seh Koreh Canal, which directed water from behind the Gargar Bridge to the western side of the watermills.

The site also features remarkable watermills and waterfalls, offering a glimpse into how ancient mills operated with precision and efficiency. The Shushtar Hydraulic System stands as a testament to human ingenuity, blending practical utility with architectural brilliance.

