التقدم العلمي

129

January - March 2026





Kuwait enters Guinness World Record

KFAS: Building a strong Global Network of Strategic Partnerships

KFAS

AL-TAQADDUM AL-ILMI



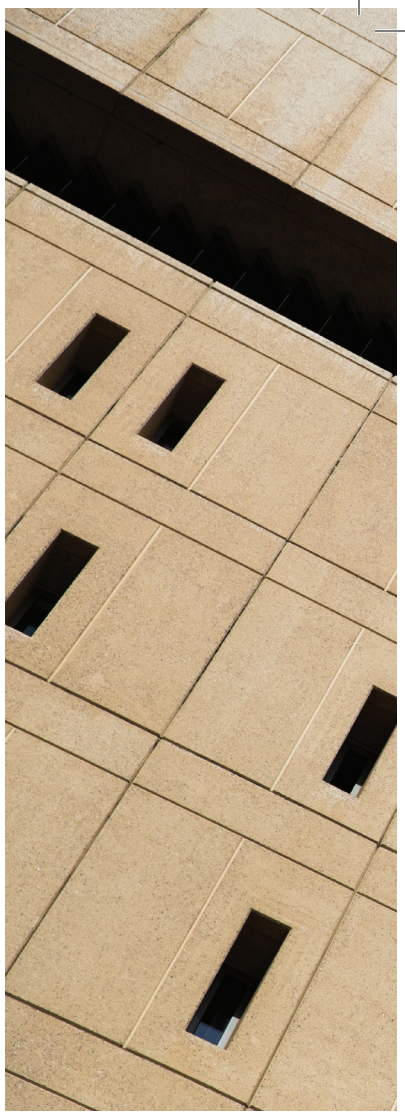
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مؤسسة الكويت للتقدم العلمي
Kuwait Foundation for the Advancement of Sciences

Vision

A thriving culture of science, technology and innovation (STI) for a sustainable Kuwait.

Mission

Stimulate and catalyse the advancement of STI for the benefit of society, research and enterprise in Kuwait.

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مؤسسة الكويت للتقدم العلمي
Kuwait Foundation for the Advancement of Sciences

التقدم العلمي
AL-TAQADDUM AL-ILMI January - March 2026

A quarterly scientific cultural magazine published by the Kuwait Foundation for the Advancement of Sciences

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Editorial letter

This issue of Taqaddum Al-Ilmi reflects a national journey grounded in the belief that science and knowledge are the foundation for building the future and advancing sustainable development. Amid rapid global transformations, the State of Kuwait continues to strengthen its approach based on investing in people, supporting scientific research, and building effective strategic partnerships.

The issue highlights leading models of international knowledge cooperation, foremost among them the long-standing partnership with the Harvard Kennedy School, alongside conferences and initiatives that have brought together global expertise and national priorities in the fields of sustainability and transformation. It also addresses qualitative steps to strengthen Kuwait's presence in space sciences and to advance digital transformation in knowledge and the preservation of cultural heritage.

The issue further showcases national achievements that embody the integration of science and technology in the service of humanity, including a world-record medical achievement in remote robotic surgery, as well as sustainable projects that combine scientific innovation with the preservation of cultural identity.

These milestones present a comprehensive picture of a steadily advancing scientific journey, affirming that knowledge is the path toward a more prosperous and sustainable future. Taqaddum Al-Ilmi continues its role as a knowledge platform that documents these efforts and conveys insights and experiences that support Kuwait's scientific and developmental progress.

Ameenah Farhan
Director General

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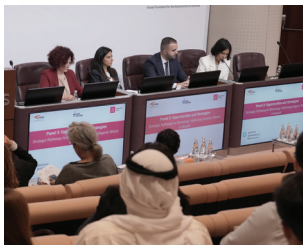
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Under the Patronage of H.H. the Prime Minister

KFAS Celebrates 25 Years of Partnership with Harvard Kennedy School



The Scientific Center in Kuwait hosted a special ceremony on Wednesday, 26 November, organized by the Kuwait Foundation for the Advancement of Science (KFAS) to mark the 25th anniversary of its executive program in partnership with the Harvard Kennedy School of Government. The event was held under the patronage and in the presence of His Highness Sheikh Ahmad Abdullah Al-Ahmad Al-Sabah, Prime Minister of the State of Kuwait, who joined national leaders and experts in highlighting the enduring strategic collaboration between the two institutions and its role in advancing evidence-based decision making in Kuwait.

H.H. The Prime Minister emphasized that the partnership with the Harvard Kennedy School represents a long-term strategic investment in Kuwait's human resources

A Gathering of Leaders and Alumni of the Executive Program

The event brought together senior leaders, officials, and decision makers from both the public and private sectors who are graduates of the executive program, along with an academic delegation from Harvard Kennedy School. The forum served as a platform for networking and exchanging insights, as participants reflected on the program's

impact in strengthening their leadership skills and applying the knowledge gained within their respective institutions to support national development goals.

Affirming KFAS's Role in Research, Innovation, and Capacity Building

In his address during the forum, H.H. the Prime Minister commended the vital role played by KFAS as a national platform for advancing scientific research, innovation, and human capital development. He emphasized that the partnership with the Harvard Kennedy School represents a long-term strategic investment in Kuwait's human resources, equipping national leaders with modern tools in leadership, decision-making, and public policy analysis—skills essential in navigating rapid global transformations in fields such as economics, governance, and artificial intelligence.

A Robust Network of International Partnerships

Building on this strategic direction, KFAS has expanded its global network of partnerships over the past years to include leading academic institutions such as the London Business School, the National University of Singapore, the Wharton School, the University of Cambridge, and the London School of Economics and Political Science, with the most recent addition

These active and meaningful collaborations have significantly contributed to knowledge transfer, national capacity building, and enabling Kuwaiti leaders to stay current with the latest management and leadership methods. To date, more than 1,530 participants have benefited from these programs.





The program provided ample opportunities for research collaboration between academics and researchers in Kuwait and their counterparts at Harvard University, through joint projects, scientific visits, and specialized research fellowships.

being ESMT Berlin. These active and meaningful collaborations have contributed substantially to knowledge transfer, national capacity building, and enabling Kuwaiti leaders to keep pace with the latest methods in management and leadership. To date, more than 1,530 participants have benefited from these programs.

The Kuwait Program at Harvard: A Quarter Century of Impact

KFAS explained that its collaboration with the Harvard Kennedy School, through the Kuwait Program at Harvard launched in 2000, reflects its commitment to innovation grounded in scientific research and advanced technology. The program has provided world-class executive education tailored to Kuwait's national priorities and institutional needs, offering academic content that bridges leading theoretical developments with practical applications relevant to both local and regional contexts.

According to the Foundation, the executive program and the Kuwait Program at Harvard have graduated 770 participants since their inception, with around 450 of them now holding leadership positions across various organizations in Kuwait. The program has also opened new horizons for academic and research collaboration between scholars in Kuwait and Harvard University through joint research projects, academic visits, and specialized fellowships—strengthening Kuwait's position as an active partner in knowledge production and application.

Deepening Collaboration and Advancing the Knowledge Economy

KFAS concluded its statement by reaffirming its commitment to strengthening and expanding its partnership with the Harvard Kennedy School in support of Kuwait's vision for building a diversified, knowledge-based economy. The Foundation emphasized that this continued collaboration contributes to enhancing Kuwait's scientific and humanitarian role at regional and international levels, under the wise leadership of His Highness the Amir, His Highness the Crown Prince, and His Highness the Prime Minister.

LSE Kuwait Annual Conference – Future by Design:

Sustainability and Transition in Kuwait

The discussions that balanced global expertise with Kuwait's policy and development priorities





■ Professor Swenja Surminski, LSE Grantham Institute

The Kuwait Foundation for the Advancement of Sciences (KFAS) and the London School of Economics and Political Science (LSE) successfully hosted the LSE Kuwait Annual Conference – "Future by Design: Sustainability and Transition in Kuwait" – on 15 September 2025 at KFAS headquarters in Kuwait City. The

event drew more than one hundred participants, including academics, policymakers, and representatives from government and civil society, making it one of the most well-attended conferences in the history of this program.
The conference opened with a keynote lecture by Professor Swenja Surminski of the LSE Grantham Institute, who offered insights into international experiences of designing resilient and sustainable transitions. Her address set the tone for a day of focused discussions that balanced global expertise with Kuwait's policy and development priorities.
The program featured three panels that brought together scholars and practitioners from Kuwait and abroad. Speakers examined approaches to climate adaptation, governance models that encourage greater participation and behavioural shifts, and strategies for future opportunities including urban reform, bioenergy innovation, and the role of civil society in advancing sustainable practices. Each panel sparked lively discussion, underscoring both the timeliness of the themes and the commitment of participants to collaborative solutions.
This annual conference is a key element of the Kuwait Program, a long-standing partnership between KFAS and LSE that supports collaborative research, academic exchanges, and knowledge-sharing initiatives. The strong participation and substantive dialogue demonstrated the Program's value in bridging international research with national policy goals.



■ Dr Alexandra Gomes, LSE Cities, Sharifa AlShalfan, Municipal Council Member.



■ Dr Jean ElAchker, AU, and Mrs. Dalal Elhashash, Kuwait Green Building Council.



■ Dr. Ameenah Rajab Farhan, H.E. Dr.Matar Hamed Al Neyadi, Ambassador of the United Arab Emirates to Kuwait, H.E. Salem Humaid AlMarri, Director General, Mohammed Bin Rashid Space Centre (MBRSC).

A Scientific Partnership to Advance Kuwait's Presence in Space

KFAS Signs Memorandum of Understanding with the Mohammed Bin Rashid Space Centre

In a significant step reflecting Kuwait's strategic vision to build national capabilities in space science and technology, Kuwait Foundation for the Advancement of Science (KFAS) announced on 30 November 2025 the signing of a Memorandum of Understanding with Mohammed Bin Rashid Space Centre (MBRSC) in the United Arab Emirates. The agreement establishes a broad collaborative framework aimed at enhancing scientific research,



The agreement establishes a broad collaborative framework aimed at enhancing scientific research, exchanging expertise, and empowering national talents in one of the world's most rapidly evolving scientific fields



exchanging expertise, and empowering national talents in one of the world's most rapidly evolving scientific fields.

Strengthening Regional Collaboration in Space Science

The memorandum was signed at KFAS headquarters in Kuwait, in presence of representatives from both sides. According to KFAS, this collaboration comes in response to the growing momentum of the space sector across the region and reflects the shared ambition to deepen cooperation through the exchange of scientific and technical knowledge.

The agreement opens wide avenues for joint work in space exploration, remote sensing, and satellite applications that support sustainable development. It

also encompasses the organization of workshops, technical seminars, and joint training programs targeting researchers, engineers, and students, with the aim of strengthening national capacities in this advanced scientific domain.



Kuwait National Space Research Centre: A Promising National Platform

KFAS noted that the new partnership complements its efforts to establish Kuwait National Space Research Centre (Kuwait-NSRC), founded under a High Amiri Directive as one of the scientific centers affiliated with KFAS and in collaboration with Kuwait University. The centre is envisioned as a national platform dedicated to coordinating research initiatives, building a robust scientific base in space sciences, and empowering young Kuwaiti talents to participate in educational programs, satellite projects, mission development, and specialized training opportunities.

The centre aims to provide advanced research infrastructure and to support projects in satellite technology, Earth observation, and technical skills development—reinforcing Kuwait's presence within regional and international space ecosystems.

Leveraging UAE Experience in Space Missions

KFAS emphasized that the collaboration with MBRSC will enable Kuwait to benefit from the centre's extensive experience in managing space missions, training astronauts, operating satellites, and processing and utilizing space-based data. MBRSC is recognized as one of the region's leading institutions, overseeing major projects such as the Emirates Mars Mission (Hope Probe) and advanced programs for developing specialized space cadres.

A Broad Scope of Scientific, Technical, and Capacity-Building Collaboration

The memorandum outlines diverse areas of cooperation, including the development of joint initiatives in space science and innovation, the exchange of data, technical expertise, and best practices in satellite operations. It also includes the implementation of shared research and technical projects aligned with the national priorities of both countries, in addition to training and qualification programs designed to strengthen the skills of researchers, engineers, and students.

Aligned with KFAS Strategy (2025–2029)

KFAS concluded its statement by affirming that this partnership is fully aligned with its Strategy 2025–2029, which focuses on supporting innovation driven by scientific research and advanced technologies. It also seeks to expand opportunities for national talents in various scientific and technological fields—including the space sector—thereby reinforcing the role of KFAS as a key partner in advancing the knowledge economy in the State of Kuwait.

KFAS focuses on supporting innovation driven by scientific research and advanced technologies. It also seeks to expand opportunities for national talents in various scientific and technological fields



■ Dr. Ameenah Rajab Farhan, Professor Farhan Nizami, Director of the Oxford Centre for Islamic Studies OXCIS.

A Partnership Reimagined: KFAS and Oxford Centre for Islamic Studies Forge New Digital Horizons

In a significant gesture that underscores a collaboration spanning over twenty-five years, the Kuwait Foundation for the Advancement of Sciences (KFAS) recently played host to a distinguished delegation from the Oxford Centre for Islamic Studies (OCIS). The occasion, which coincided with the Centre's 40th anniversary celebrations, served as both a commemoration and a catalyst, illuminating the enduring relationship between these two esteemed institutions and heralding a new chapter in their joint mission to advance cross-cultural research and dialogue.

Celebrating Shared Achievements

The event, held at KFAS headquarters, featured a curated exhibition and an introductory session that explored the mission and programmes of OCIS. Attendees were offered a glimpse into the fruitful partnership's history, with highlights drawn from collaborative ventures in education, research, and scholarly publishing. Of special note was the pivotal role played by the Kuwait National Library, lauded for its stewardship of the nation's intellectual and cultural legacy and its commitment to broadening access for academics and the wider public.



■ Prof. Sir David Clary, OXCIS, Dr. Mohamed Khaled Al-Jassar, Secretary-General of the National Council for Culture, Arts, and Letters (NCCAL)

The agreement between KFAS and OCIS to digitize the Kuwait National Library. This ambitious endeavour aims to transform the library into a comprehensive digital platform, making its resources accessible to a global audience

Dr. Ameenah Farhan, Director General of KFAS, set the tone with her opening remarks, reflecting on the remarkable achievements realised since the inception of the Kuwait Programme for Islamic Studies. She underscored the transformative impact of this enduring alliance, noting its role in empowering researchers, nurturing emerging talent, and championing advanced inquiry into Islamic culture, history, and the humanities.

Voices of Impact

In a heartfelt address, Dr. Farhan Nizami, Director of OCIS, acknowledged Kuwait's substantial support and the unwavering commitment of KFAS to fostering fellowships and collaborative research. The event was enriched by the personal stories of scholars and students whose academic journeys have been shaped by these programmes. Their testimonies spoke to the value of research exchanges, scientific publishing, and the tangible influence these initiatives have exerted upon their professional growth.

Pioneering Digital Transformation

The highlight of the gathering was the unveiling of a landmark agreement between KFAS and OCIS to digitise Kuwait National Library. This ambitious endeavour aims to transform the library into a comprehensive digital platform, making its resources accessible to a global audience. By harnessing cutting-edge technology, the project will safeguard and disseminate Kuwait's rich cultural and historical heritage, offering a boon to researchers and knowledge enthusiasts far beyond the country's borders.

Central to the agreement is the creation of a unified national catalogue that will interconnect collections relevant to Islamic and Kuwaiti studies, adhering to international cataloguing standards. The initiative also encompasses the development of state-of-the-art digital infrastructure, designed to facilitate open access and optimise the use of knowledge within both academic and educational settings.

The agreement is the creation of a unified national catalogue that will interconnect collections relevant to Islamic and Kuwaiti studies, adhering to international cataloguing standards. The initiative also encompasses the development of state-of-the-art digital infrastructure



■ Discussions between the staff of the Cultural Council and KFAS.

A Vision for the Future

The partnership's forward-looking roadmap details strategies for technical governance, prioritises digitisation and cataloguing efforts, and outlines training programmes aimed at building institutional capacity and encouraging the exchange of expertise. As Kuwait positions itself as a regional frontrunner in digital knowledge development, this collaborative project stands as a testament to the enduring value of strategic alliances, continuous innovation, and a shared commitment to the preservation and advancement of intellectual heritage.



■ A shot from the audience.

Strengthening Intellectual Heritage for the Future

KFAS concluded the event by affirming that this new agreement—alongside the experiences shared by program beneficiaries—reflects its commitment to fostering strategic partnerships that advance research and education, while laying the foundations for a new phase of digital progress in the knowledge sector. This initiative represents a key step toward building a robust knowledge ecosystem that reinforces Kuwait's position in the digital era and supports the dissemination of science and culture to all.



A National Partnership Uniting the Ministry of Health

Kuwait Enters Guinness World Records with the Farthest Remote Surgery

In a world where technology continues to redefine the boundaries of science, Kuwait has written a new chapter in global medical history. A surgical team at Jaber Al-Ahmad Hospital successfully performed the world's farthest remote robotic surgery, operating on a patient in Brazil—more than 12,000 kilometres away. The feat earned Kuwait an official Guinness World Records title and showcased the nation's readiness to lead the next era of digital medicine.

A National Partnership for a Global First

The historic announcement was made during a press conference hosted by Zain Kuwait at its headquarters in Shuwaikh, attended by H.E. the Minister of Health Dr. Ahmad Abdulwahab Al-Awadhi, Dr. Ameenah Rajab Farhan, Director General of the Kuwait Foundation for the Advancement of Sciences (KFAS), and Mr. Nawaf Al-Gharabally, CEO of Zain Kuwait.

They were joined by the surgical team from Jaber Al-Ahmad Hospital, led by Dr. Sulaiman Almazeedi, whose expertise and collaboration with colleagues in Brazil made the impossible possible. A representative of Guinness World Records presented the official certificates to the Kuwaiti partners in recognition of their shared achievement.

National Will Breaking Barriers

"The registration of Kuwait in Guinness World Records through a medical and technological achievement of this magnitude is not merely a global record, it is a clear message that our national healthcare system stands among the world's best," stated Dr. Al-Awadhi.

He emphasized that the record symbolizes the determination and competence of Kuwait's medical professionals, supported by the country's visionary leadership and cutting-edge digital infrastructure. "When will is paired with science and technology," he said, "geographic barriers disappear—and Kuwait becomes a platform for global medical innovation."

Innovation in the Service of Humanity

Dr. Ameenah Rajab Farhan, Director General of KFAS, expressed pride in the accomplishment:



"We celebrate today an innovation that spans continents and transcends distance—an achievement that places Kuwait firmly on the map of global medical leadership. It demonstrates the true value of innovation when coupled with national excellence and advanced digital infrastructure, all in the service of human health."

Dr. Farhan highlighted that the project aligns with the vision of Kuwait's leadership to advance applied scientific innovation and reflects KFAS's strategy to make health advancement a key national priority. "Investing in science and technology," she added, "is an investment directly in people's well-being."

This achievement places Kuwait firmly on the map of global medical leadership. It demonstrates the true value of innovation when coupled with national excellence and advanced digital infrastructure

Technology That Builds Bridges

For Mr. Nawaf Al-Gharabally, CEO of Zain Kuwait, the success represents far more than a record—it marks "a serious step toward a thriving digital future in which technology serves humanity, from Kuwait to the world."

He explained that Zain's state-of-the-art network provided the secure, high-speed connection that enabled surgeons to control robotic instruments with an average latency of only 199 milliseconds, ensuring precision and real-time response. "This partnership between the technology and healthcare sectors," he said, "opens the door to a new era of digital medicine across the region."

Science Behind the Record

The record-breaking operation took place on 23 September 2025, linking surgical teams in Kuwait and Brazil through an advanced robotic platform over a distance of 12,034.92 km. The surgery, an Inguinal Hernia Repair, was conducted using robotic systems connected via Zain's high-bandwidth international network, supported by KFAS.

Despite the immense distance, communication between surgeon and patient remained nearly instantaneous. The network achieved average latency below 0.2 seconds, bandwidth of 80 Mbps, and a data-loss rate under 0.2 percent—an engineering feat in itself that guaranteed the operation's safety and success.

A Vision for the Future

This milestone places Kuwait among the world's pioneers of digital healthcare, demonstrating that the country's human capital and infrastructure can translate scientific discovery into tangible societal benefit.

Beyond its technological triumph, the project carries a deeper message: that science, innovation, and collaboration are bridges capable of shrinking the world for the betterment of humanity.

As Kuwait continues to invest in robotics, artificial intelligence, and medical connectivity, the future of healthcare may well be shaped by the nation's vision—a future where distance no longer defines what is possible.



Inauguration of the First Sustainable Wool Processing and Spinning Plant in the Gulf Region

Under the patronage and in the presence of His Highness Sheikh Ahmad Abdullah Al-Ahmad Al-Sabah, Prime Minister, Kuwait celebrated in January 2025 the Inauguration of the first sustainable wool processing center in Kuwait and the Gulf region. This milestone marks a strategic step toward developing the craft industry sector and maximizing the use of national natural resources, fully aligned with Kuwait's Vision and the Sustainable Development Goals.

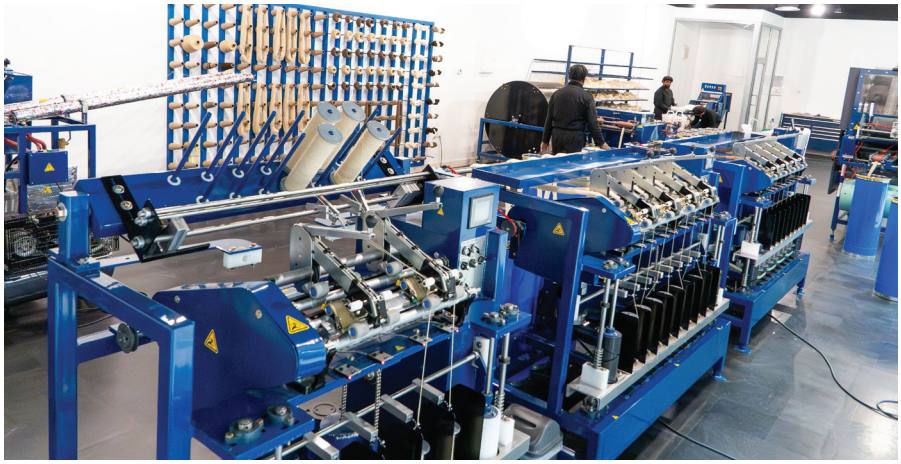
Written by: Research and Technology directorate

Project Background

The idea for the plant originated from AlSadu Society, with the objective of utilizing locally sourced wool—particularly high-quality Naeimi sheep wool—and transforming it into sustainable yarns that meet local craft production needs.

The Kuwait Foundation for the Advancement of Sciences (KFAS) supported this initiative by funding a research study conducted by the Kuwait Institute for Scientific Research (KISR) in collaboration with AlSadu Society to assess the technical and economic feasibility of improving the quality of local wool and its potential for use in traditional industries. The study demonstrated significant potential for this sector and recommended establishing a specialized plant to advance this vital industry.





Project Objectives

- Maximize the utilization of local wool and create value-added products.
- Support the craft industry and preserve Kuwait's cultural heritage.
- Provide employment opportunities and empower youth with new skills in textile and craft production.
- Integrate modern technologies with traditional craftsmanship to encourage innovation.
- Continue applied research through strategic collaboration with research institutions.
- Contribute to Kuwait's environmental and economic sustainability objectives.

Strategic Partnership

The plant is the result of a strategic partnership that brought together four key stakeholders:

- **Kuwait Foundation for the Advancement of Sciences (KFAS):** Provided funding and scientific/technical support for the project.
- **AlSadu Society:** Originated the idea, provided traditional know-how, and ensured alignment with the needs of the craft sector.
- **Kuwait Livestock Transport and Trading Company:** Supplied local wool, provided the factory site, and contributed to strengthening the national supply chain.
- **Kuwait Institute for Scientific Research (KISR):** Served as the research partner, conducting applied studies and developing sustainable technical solutions for wool processing.

This collaboration stands as a successful model of cooperation between national institutions, the private sector, and research centers to support projects with tangible social and economic impact.







Environmental and Technical Features

- **Solar Energy:** Installation of photovoltaic panels with a total capacity of 15 kWp, producing approximately 25,000 kWh annually and reducing CO_2 emissions by nearly 15 tons per year.
- **Water Management:** Advanced systems treat and recycle approximately 70,000 cubic meters of water annually for irrigation purposes.
- **Operational Efficiency:** Production techniques minimize waste and enhance resource and energy efficiency.

Economic and Social Impact

- Strengthening the local economy and diversifying income sources.
- Revitalizing the craft sector and expanding opportunities for export.
- Enabling youth participation and skill development in the textile and handicraft sector.
- Promoting industrial innovation while safeguarding cultural identity and heritage.

Conclusion

The inauguration of the Wool Spinning Center represents a turning point in the development of the craft industry in Kuwait and the wider region. The project embodies the integration of scientific research, economic development, and cultural heritage preservation—reinforcing Kuwait's position as a pioneer in sustainable and innovative initiatives.





Upcoming Related Events

Coordination is currently underway with The Scientific Center and the AlSadu Society to organize an art exhibition titled "Weaving Stories" at The Scientific Center in Kuwait. The exhibition is tentatively scheduled to take place from September 21 to November 30, 2025, in the main atrium, allowing visitors to engage with the exhibition throughout their visit. This initiative highlights the tangible impact of the project's outcomes and underscores the role of KFAS in transforming scientific research results into practical applications that serve the national economy and support the creative industries.

The exhibition aims to present a contemporary showcase of Kuwait's Sadu heritage, shedding light on the patterns, techniques, and stories that bridge tradition and modern design. It will also highlight the intricate designs and vibrant colors that have characterized traditional Sadu, alongside contemporary works that reinterpret these motifs and reaffirm their place in modern art. Moreover, the exhibition fosters a collaborative environment that brings together artisans, designers, and the public, contributing to the preservation of this rich craft and inspiring future generations.



KFAS Launched the "AI for Teachers" Program in Collaboration with Cambridge University



■ One of the lectures in the program.

The education sector in Kuwait took a significant step toward enhancing the skills of teaching staff in modern technologies when the Kuwait Foundation for the Advancement of Science (KFAS) announced on 18 November 2025 the launch of the "AI for Teachers" program. The initiative was implemented in partnership with Cambridge University Press & Assessment, which designed the scientific content and provided guidance and mentorship to program participants.

Enhancing Digital Literacy among STEM Educators

KFAS stated that the professional development program aimed to strengthen digital literacy in artificial intelligence (AI) among teachers of Science, Technology, Engineering, and Mathematics (STEM),



■ Group photo of participants.

and to enable them to effectively integrate AI tools in the classroom to improve teaching quality and learning outcomes.

A Hybrid Training Model Combining Online and Practical Learning

The Foundation explained that the program followed a hybrid training model, starting with online learning via a specialized platform, followed by intensive in-person workshops held at Kuwait University. This approach provided a practical learning environment where participants could directly apply the skills they acquired in their classrooms.

KFAS added that the program focused on hands-on practices to help teachers safely and efficiently incorporate AI tools into lesson planning, assessment, and the design of interactive activities, fostering student creativity. The curriculum also emphasized active learning methods, project-based activities, and responsible practices that take into account ethical considerations and data protection.



■ Other lectures in the program.

Fifty Teachers Participated, with Opportunities for Trainer Development

The program benefited fifty teachers from various educational sectors, including public schools, universities, and applied education institutions. AI education specialists conducted the training and mentorship. Additionally, the top ten participants were selected to advance to a Train-the-Trainer stage, preparing a national cadre capable of sharing their expertise across educational institutions.

Aligned with KFAS's Vision for an Innovative Educational Future

KFAS emphasized that the program's launch aligned with its strategic goals to develop human capacities and support the integration of advanced technologies in education, in line with its vision: "A Solid Legacy... An Innovative Future." The collaboration with Cambridge University Press & Assessment also reflected KFAS's commitment to leveraging prestigious international partnerships to empower teachers with cutting-edge knowledge and tools.

Science Month 2025: A Journey from Imagination to Discovery in the Depths of the Oceans

As part of its mission to disseminate scientific knowledge and promote a culture of innovation, the Kuwait Foundation for the Advancement of Sciences (KFAS) announced the launch of Science Month 2025, which was held under the theme "Oceans: From Imagination to Discovery." The theme extended an open invitation to the public to explore the world of seas, dive into the mysteries of the oceans, and connect Kuwait's rich maritime heritage with modern science and future innovations. Science Month had been a well-established annual tradition that celebrated science, technology, and innovation through a wide range of interactive activities offered over an entire month. These programs were designed to ignite curiosity among young people, stimulate their scientific imagination, and provide opportunities for hands-on exploration for all segments of society.

Official Launch at the Scientific Center

KFAS held the official launch ceremony on Thursday, 13 November 2025, at The Scientific Center, from 5:00 PM to 8:00 PM. The event marked the beginning of a month filled with scientific and educational activities. The opening ceremony featured interactive demonstrations and scientific showcases that introduced visitors to the new theme





■ Science Month opening ceremony at the Scientific Center.



■ Other side from Science Month opening ceremony at the Scientific Center.

and offered an overview of the programs and activities that took place across Kuwait throughout the month.

More Than Thirty Activities for All Audiences

The Science Month presented more than 30 scientific activities across various locations in Kuwait, with wide participation from schools, universities, research centers, and the general public. These activities provided a comprehensive educational experience for children, youth, students, and families, giving them the opportunity to engage directly with science in stimulating and enjoyable environments.

Oceans: From Imagination to Discovery

The theme reflected a comprehensive vision rooted in the importance of marine and ocean sciences as key elements for sustaining life on Earth. By merging imagination with discovery, the program invited participants to delve into



■ Oloom Bus activities during Science Month.

The Science Month presented more than 30 scientific activities across various locations in Kuwait, with wide participation from schools, universities, research centers, and the general public



■ Nature Ambassadors in Al Jahra Reserve.



■ Participation from Abdullah AlSalem Cultural Centre.



■ Participation from Kuwait University Science Clubs.

the depths of marine ecosystems and explore the scientific and environmental challenges associated with oceans.

The theme also blended Kuwait's rich maritime heritage with modern scientific and technological advancements, creating a framework that connected the past with the future through the lens of science.

Scientific Topics Spanning Oceans to Outer Space

The Science Month 2025 program covered a wide array of scientific fields, including:

- Marine and coastal ecosystems
- Underwater exploration and emerging technologies
- Innovation, technology, and artificial intelligence
- Robotics and data science
- Space sciences, including observations of the solar system, asteroids, and moons

These topics offered the public an integrated perspective on scientific progress both locally and globally, while highlighting the research and applied roles of Kuwait's scientific institutions.

Educational Programs and Community Initiatives

The year's season featured a diverse set of educational and community initiatives, including STEAM programs for teachers, specialized training workshops, beach-cleaning campaigns, and activities for observing bird migrations and celestial movements. The program also included scientific documentation initiatives on Kuwait's maritime heritage, offering visitors engaging, interactive ways to explore the nation's historical relationship with the sea.

Transforming Passion for Science into Impact

KFAS emphasized that Science Month was not merely a celebration of knowledge, but a platform for transforming scientific passion into solid understanding—and turning that understanding into real developmental impact that supported Kuwait's progress and innovation. With that year's focus on ocean and marine sciences, the season opened doors for the public to engage in a rich scientific experience that inspired minds and strengthened Kuwait's role in global efforts that celebrated science as a driver of development and a bridge between cultures.



■ Advancement of Science Publishing and Distribution ward in Kuwait International Book Fair.

KFAS Publishing Showcases Its Latest Releases at the 48th Kuwait International Book Fair

Kuwait – The Kuwait Foundation for the Advancement of Sciences (KFAS), represented by its arm "Advances of Sciences Publishing and Distribution," (ASPD) made a remarkable presence at the 48th Kuwait International Book Fair, held at the International Fairgrounds in Mishref from November 19 to 29, 2025. The fair was inaugurated under the patronage of His Highness Sheikh Ahmed Abdullah Al-Ahmad Al-Sabah, the Prime Minister, and KFAS pavilion was officially opened by the Minister of Information and Culture and Minister of State for Youth Affairs, Abdulrahman Al-Mutairi. This year's fair was held under the theme "The Homeland of the Book... Capital of Culture."

KFAS stated in a press release that its pavilion displayed a collection of its latest scientific and cultural publications, including The Ocean, Britannica Children's Encyclopedia, and Miniature Insects Encyclopedia, alongside a selection of previously published books and journals covering science, mathematics, technology, and various knowledge fields, targeting



■ Fatemah Almufarreh and Mariam Qasem from Advancement of Science Publishing and Distribution (ASPD).

different age groups—from children and adolescents to youth, researchers, and those interested in scientific knowledge.

The pavilion also featured a variety of periodicals and prestigious translated titles, including Al-Taqaddum Al-Ilmi Journal and several global scientific journals, such as How it Works and AlOloom Magazine. It also offered scientific books for children, including Adventures of Professor Astrocat, Be a Scientist, and The DNA Book, among others, which contributed to simplifying science and fostering a love for scientific reading among young readers.

KFAS's participation this year coincided with the Science Month 2025 activities—one of its community-based scientific initiatives—under the theme "From the Depths We Discover, From Books We Learn." The participation formed part of the Science Month program, reinforcing the foundation's presence in the public cultural space and connecting reading, science,



■ Mohammad Al Hasan and Abdullah Al Muhanna from ASPD.



■ Nour Al Kandari from ASPD.



■ Minister of Information Abdulrahman Al Mutairi, Omani Minister of Information Dr. Abdullah Al Harasi, and Munira Al Majdali from ASPD.



■ Scientific Centre Participations.



■ Sabah Al Ahmad Center for Giftedness participation.

and innovation, in line with its mission to promote scientific culture and build a knowledge-based society under the theme "Solid Legacy, Innovative Future."

The pavilion also included participation from KFAS centers, such as the Scientific Center and the Sabah Al-Ahmad Center for Giftedness and Creativity, through interactive workshops and scientific experiments for children and adolescents inside the pavilion, providing an engaging educational environment that encouraged exploration and brought science closer to visitors in a simple, practical way.

KFAS invited the public of all ages to visit the "Al-Taqaddum Scientific Publishing and Distribution" pavilion in Hall 7 (Booth L57) during the fair, to explore its latest scientific and cultural publications and participate in the accompanying interactive activities and events.

A YEAR OF EXCELLENCE AND INNOVATION: SACGC HIGHLIGHTS 2025



■ H.H. The Prime Minister Sheikh Ahmad Abdullah Al-Ahmad Al-Sabah visit to the Center

H.H. PRIME MINISTER VISITS SABAH AL-AHMAD CENTER FOR GIFTEDNESS AND CREATIVITY, AFFIRMS SUPPORT FOR KUWAITI INNOVATORS

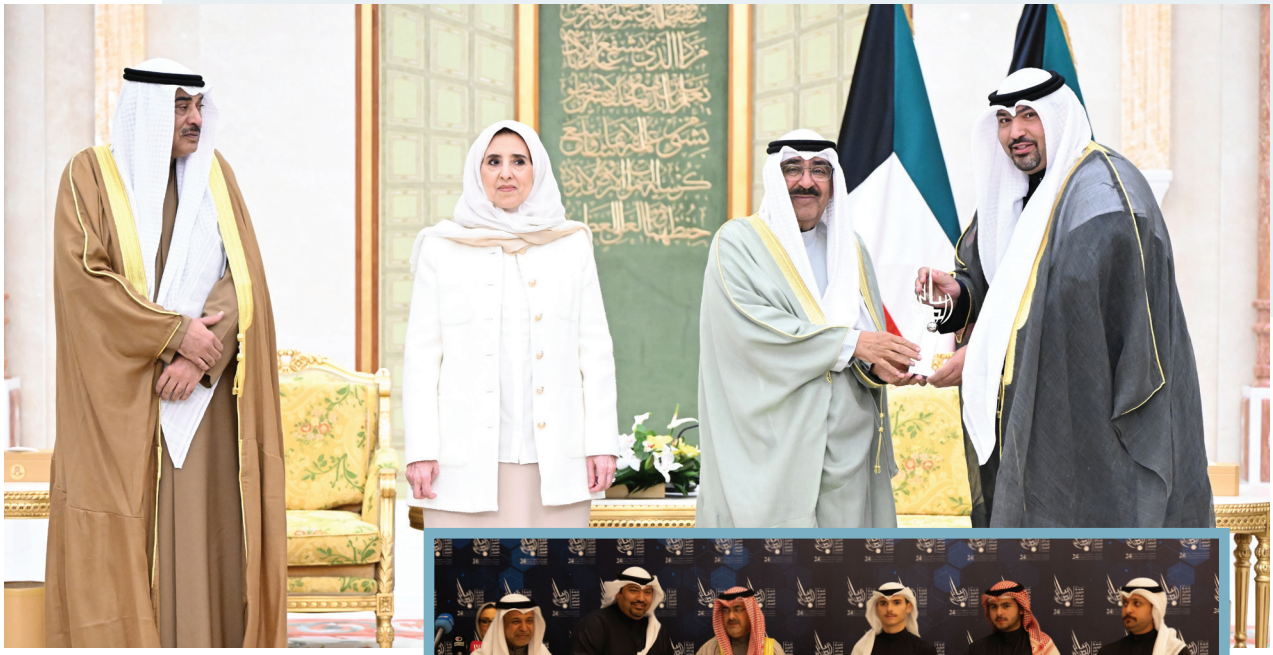
His Highness the Prime Minister, Sheikh Ahmad Al-Abdullah Al-Sabah, paid a visit to Sabah Al-Ahmad Center for Giftedness and Creativity (KFAS), where he was briefed on the latest programs and initiatives aimed at identifying and nurturing talented and creative Kuwaiti youth.

SACGC is considered a leading national platform in the fields of science, innovation, and technology. It has registered more than 520 patents in global markets and achieved a commercial success rate exceeding 20% — a high figure compared to international benchmarks. Over the past three years, more than 23,000 students have benefited from the center's diverse programs, designed to develop the skills of young Kuwaitis in science, engineering, and technology, while fostering a spirit of innovation.

The center operates under the direct guidance and continuous support of KFAS and has built a strong network of strategic partnerships with world-renowned institutions such as Yale University, Johns Hopkins University, Imperial College London, University of Cambridge, Plug and Play, IE University, and Mind the Bridge. With four locations across the country (in Kuwait City, Jahra, Ahmadi, and The Avenues Mall) the center continues its mission as a national hub for empowering and refining young talent, while enhancing Kuwait's presence on the global innovation map.

Sabah AlAhmad Center for Giftedness & Creativity Wins Informatics Award 2024:

Recognition for Digital Innovation Leadership in Kuwait



■ H.H. the Amir honoured the center with the Sheikh Salem Al-Ali Informatics Award.



■ Reception of the Sheikh Salem Al-Ali Informatics Award.

In a new achievement added to Kuwait's record of supporting gifted and creative youth, SACGC won the Sheikh Salem AlAli Al Sabah Informatics Award in its 24th edition for 2024, recognizing its leadership and excellence in digital innovation and in using technology in education and nurturing talent. The announcement was made at an official ceremony, where SACGC was chosen among elite participants from Kuwait and the Arab world. Bassam AlShammari, head of the award's Supreme Organizing Committee, said competition was strong and featured distinguished institutions and individuals in the digital innovation space. He highlighted that the award was judged based on objective technical criteria related to quality of digital performance and its societal impact.

Excellence in Serving Talent Through Technology

SACGC is a unique government model in the region that dedicates its efforts to foster gifted and innovative students in Kuwait, through highquality programs focused on science, engineering, research, and using technology to develop skills and talents.

Over time, SACGC has launched several innovative digital initiatives that have created interactive, inspiring educational environments, helping to discover and support outstanding youth talents meriting this welldeserved recognition in the informatics field.

Celebrating the Achievement and Reinforcing the Mission

This achievement is more than just a recognition for Kuwait; it reaffirms the belief that empowering creative minds with cutting-edge technology is the key to building a thriving scientific future. SACGC continues its mission to prepare a generation of leaders, thinkers, and inventors who can meet the challenges of tomorrow and make a meaningful difference across scientific fields.



■ SACGC participation in Qatar Web Summit 2025.

SACGC at Web Qatar 2025: **Kuwaiti Support for Innovation on the Global Stage**

SACGC made a distinguished Kuwaiti presence at Web Qatar 2025, participating for the second consecutive year in this major tech event, which brings together innovators, investors, entrepreneurs, and leaders from around the world.

A Global Platform for Local Ideas

This participation reflects the center's ongoing effort to highlight Kuwaiti talent in international forums. Events like Web Qatar stand among the world's premier platforms, offering ideal spaces for innovation, collaboration, and sharing expertise.

Local Cooperation for Global Impact

In partnership with Warba Bank, ten Kuwaiti innovators were selected to take part based on projects addressing critical sectors such as; education, health, energy, food and water security, environment, and digital transformation. The support allowed these innovators to showcase Kuwaiti innovation on a global stage.

The Center's Vision: Empowering Kuwaiti Creators

As participants in Web Qatar, SACGC reaffirms its commitment to nurturing young minds and ensuring they have a strong presence globally. Such participations help elevate Kuwait's image as a regional hub for innovation and entrepreneurship and open new paths for future partnerships.

A Memorable Finale for Sabah AlAhmad Summer Competitions 2025

Kuwait recently concluded the Sabah AlAhmad Summer Competitions 2025, organized by Sabah AlAhmad Center for Giftedness & Creativity (KFAS), in an atmosphere full of technological creativity and excitement.

The finals were held on Friday, September 12, at the multipurpose hall in the Al-Arabi Sports Club, with more than 150 students of various ages participating.

This event marked a milestone for the participants, who had prepared over weeks to take on advanced scientific and technical challenges in contests qualifying them for the global Robotics competition in Estonia.

HighLevel Technical Competitions

The final rounds included four main challenges:

- **Drone Contest:** Participants programmed autonomous drones to navigate a hidden, obstaclefilled course, showcasing their precision in both design and programming.
- **Sumo Robot Competition:** Targeting ages 10–13, where students-built robots from LEGO to push opponents off a closed arena, combining strategy and programming.
- **LineFollowing Competition:** Robots tracked a black line on white surface, at high speed, with great accuracy.
- **"Journey in Kuwait" / Programming Knights:** A new contest inspired by Kuwait Vision 2035. A robot (MATATA LAB) is programmed to traverse a maze, visit specific locations in Kuwait, overcome obstacles, and reach the goal as quickly as possible.

Celebrating Kuwaiti Talent

The finale was festive; learning and fun combined. The parents of participants showed great pride in the progress and the students' high skills. The event reinforced how science and technology play pivotal roles in building Kuwait's bright future. Wishes were extended to the finalists headed for global competitions in Estonia, with the belief that this was just the beginning of more achievements.

Kuwait Illuminates the Sky of Innovation:

Robotics Olympiad 2025 Concludes

As part of a new initiative to foster a culture of innovation and technological education within Kuwaiti society, the World Robotics Olympiad – Kuwait 2025 concludes on May 19, under the sponsorship of Sheikh Hamoud Jaber AlAhmad Al Sabah, Governor of AlAhmadi, who honored the event with his presence and support for the rising national talents.

An Early Start to Excellence

Kuwait began preparing for the global season from January 15, being among the first countries to activate its national programs under WRO. Organizers reached out to over 180 educational institutions to encourage students aged 8 to 22 to participate; for the first time, university students were included.

The national program included three main categories:

- Task Robots
- Innovators of the Future
- Engineers of the Future

National Competitions with Global Standards

The final qualifiers in the event held at Kuwait Oil Company (KOC) facilities in AlAhmadi, involved over 240 students in 83 teams, with more than 1,000 visitors attending. These numbers indicates an outstanding sign of public awareness towards science and technology roles.

At the end, four teams were selected to represent Kuwait in the global finals in Singapore, along with nine teams that will compete regionally in Saudi Arabia, Panama, the Philippines, and Slovenia.

SACGC played a central role as the strategic partner, providing training, technical support, and equipment, especially for the «Task Robots" and «Future Innovators" categories. The initiatives reflect the center's vision to equip Kuwaiti youth with futureready skills in an interactive and practical learning environment.



■ Participation from World Robot Olympiad - WRO.



■ Other Participation from World Robot Olympiad - WRO.

Toward Global Reach

Kuwaiti teams are now in intensive preparation for the international contests set for September and October 2025, joining over 20 countries in this global initiative. This achievement marks another milestone in Kuwait's journey toward nurturing innovative, knowledgeable generations. SACGC remains committed to providing the optimal environment to prepare Kuwaiti youth for the future.

Kuwaiti Talents Launch Towards Global Stage



■ Conclusion of Sabah Al-Ahmad summer competitions.

In a unique educational experience blending technology, engineering, and teamwork, Sabah AlAhmad Center for Giftedness & Creativity launched the national version of «STEM Racing" this year, in partnership with the global Formula 1 organization. It grants Kuwaiti students a real interaction with the miniature Formula 1 racing world.

From Registration to Challenge

The program began early summer with many applications from 15 to16 year olds. After comprehensive evaluations, including STEM experience and video submissions, the selected students progressed to the training phase. Participants were split into teams, where each team member had defined roles: design engineer, project manager, marketeer, and graphic designer. Teams designed and built miniature racing cars using CAD and 3D printing, with focus on aerodynamics and team branding.

Qualifying for the World Stage

On July 31, SACGC held the national final event where teams competed to represent Kuwait globally. After a day full of showcasing technical and creative competition, two teams were selected to represent Kuwait in Formula 1 in Schools competition at Singapore, scheduled from September 25 to October 1, 2025.

The two qualifying teams are:

- NAGA Racing
- SADU Racing

They are now preparing to compete on the global stage, proudly representing Kuwait with high levels of innovation, engineering, and professionalism.

An Educational Vision Forward

This program is part of an exclusive partnership between SACGC and Formula 1, aimed at developing futureoriented skills among Kuwaiti youth in engineering design, marketing, leadership, and teamwork, in a setting that mimics real-world racing teams.

As the center continues enabling students through practical learning, best wishes go to all participants, especially NAGA Racing and SADU Racing, toward raising Kuwait's name globally.

The University Preparation Program «PRE" Experience:

Paving the Way to Choose a Major with Confidence





In a step aimed at enabling students to explore their academic future early, SACGC concluded the first edition of the PRE (PreUniversity Readiness) Program, implemented in cooperation with Kuwait University's Faculties of Medicine and Engineering.

Closer to University Majors Through Real Experience

The program targeted students from grades 10 to 12 in the academic year 2025/2026, assigning participants to join the Medicine or Engineering track depending on their interests. Through workshops, lectures, and field visits, students experienced a version of university life, helping them discover their fields of interest and develop both professional and personal skills.

Empowering Learning Through Strong Academics and Student Inspiration

In medicine, students covered core topics like anatomy, pharmacology, general surgery, and health sciences. In engineering, they engaged with electrical, mechanical, and civil engineering specialties, focusing on handson applications, problemsolving, and analytical thinking. Participants described the experience as «unique and inspiring," especially with the inclusion of students from Saudi Arabia and Qatar alongside Kuwaitis—this diversity enriched knowledge exchange and fostered academic and professional connections.

Getting prepared for Smart Future Decision

The PRE program represents SACGC's efforts towards helping students make well-versed major and career choices. By exposing them to university environments before graduation, it gives them the confidence needed in their future path.

A Constructive Partnership with Kuwait University

SACGC expressed pride in organizing this elite program and extends its thanks to Kuwait University for its fruitful collaboration, which played a significant role in the success and achievement of its academic and professional goals.

SACGC Launches New Program to Drive Engineering Innovation in Kuwait

In a strategic move to enhance engineering innovation and align technical ideas with market needs, SACGC launched the Engineering Ideas Incubator Program, in partnership with IE University in Madrid, engaging an elite group of international experts in innovation and entrepreneurship.

From Idea to Prototype

The program started on May 4, 2025, and runs until midOctober. It began with over 80 participants (engineers, students, innovators) tackling vital challenges in Kuwait—such as those related to energy, water, environment, and digital transformation. 21 participants were chosen to move onto the next phase, where they receive mentorship from specialized experts to develop their innovations into viable prototypes.

Heading Toward a Global Showcase

After the mentorship period ends in October, SACGC will hold a Demo Day, where each participant presents their invention before a panel of experts. Only three projects will be selected to represent Kuwait at Venture Day at IE University in Madrid in December 2025, giving innovators the chance to present to global investors and startups.



■ Participation from Engineering Ideas Incubation Program



■ Other Participation from Program.

A Training Environment That Fosters Leadership

This program aligns with SACGC's vision of turning creative ideas into real projects with commercial or industrial potential, combining academic expertise and handson guidance to equip participants with necessary tools to move from concept to implementation.

Empowering Young Minds to Build the Future

Through these initiatives, SACGC underlines its role as a key driver in developing Kuwait's technical human capital, offering gifted youth real entrepreneurial engineering experiences and connecting their ideas with the global market.

Drone Competition:

An Educational Fusion of Technology and Creativity

The regional drone competition, jointly organized by SACGC and the Ministry of Education, offered students a learning experience aimed at strengthening their technical skills and fostering innovation.

Creativity in a Competitive Setting

An initiative like this represents a genuine step towards preparing a generation capable of engaging with tools of the Fourth Industrial Revolution, and contributing to a knowledgebased future for Kuwait.

Technology in the Heart of Education

The competition was more than just technical; it fostered skills in presentation, communication, creative thinking, and teamwork. SACGC played a central role by providing technical support, training, and supervision for the participating teams. Thus, reflecting its vision of equipping Kuwaiti students with future tools.

A Proud Conclusion

To conclude, the Ministry of Education and participants expressed gratitude to all organizers and supporters, especially SACGC, stressing the importance of continuing such initiatives that combine practical learning, challenge, and innovation.

Kuwaiti Talent Shines Globally:

A New Scientific Highlights for our Heroes of Physics and Chemistry

In a scientific accomplishment that highlights Kuwait's ambition to build a creative generation capable of global competition, SACGC concluded its intense national preparation program for the International Physics Olympiad in France and the International Chemistry Olympiad in the UAE. The program featured outstanding participation from high school students across Kuwait.



■ Participation from Chemistry and Physics training.

Rigorous Selection... Only the Best Go Global

The journey began with 300 students—150 in Physics and 150 in Chemistry. Through successive rounds of rigorous eliminations and advanced training, that number was narrowed to 100, then 50, then 13. In the final stage, five students were chosen for the Physics Olympiad, and four for the Chemistry Olympiad.

Exceptional Experiences & Advanced Knowledge

The participants encountered demanding internationallevel exams, including questions that even some PhD holders might find challenging. They returned to Kuwait with new knowledge—advanced matrices, novel scientific approaches—and with increased confidence in their academic future.

Investing in Young Scientists

This program is part of SACGC's «11%" initiative, aimed at increasing the number of Kuwaiti students in international science Olympiads, enabling them to compete at high levels. In partnership with the Ministry of Education, the center runs workshops, lectures, scientific camps, and specialized training throughout the year, under globally recognized experts to prepare students from early stages up to international representation.



■ Other Participation from Chemistry and Physics training.

A Step Toward Scientific Leadership

This achievement reaffirms that investment in talent is Kuwait's most valuable investment. The participating students showed commitment, passion, and resilience—qualities that strengthen SACGC's vision of nurturing the next generation of scientists and researchers.

Kuwaiti Students Knock on Global Universities' Doors

An International Enrichment Program Granting Talented Students an Exceptional Academic Experience



■ Participation from Sabah Al-Ahmad Global Enrichment Program.

SACGC recently completed its 2025 International Enrichment Program, enabling 56 high school students from Kuwaiti public and private schools to embark on an exceptional academic journey with worldrenowned universities and institutions.

Real Educational Experience in the US, UK, and Saudi Arabia

Students participated in intensive summer programs over several weeks across universities like Johns Hopkins, Yale, and Penn in the United States, and Imperial College London and Fitzwilliam College (University of Cambridge) in the UK. Additionally, three students joined the Mawhiba program in Saudi Arabia, which supports gifted students through advanced learning opportunities.

These programs combine academic and experiential learning, aiming to help students explore various majors and make wellinformed decisions about their academic paths before graduating high school.

What the Program Offers Students

Participation went beyond a standard academic course. It provided:

- Authentic university life experience within college campuses.
- Advanced lectures and workshops in specialized fields like medicine, engineering, science, and economics.
- Development of critical thinking, time management, teamwork, and other essential academic and life skills.
- Opportunities to gain recommendation letters from distinguished professors to enhance applications to top universities.

Early Preparation for a Promising Future

This initiative reflects SACGC's vision of supporting talented youth, helping them discover their academic interests, and preparing them for higher education demands locally and abroad.

A Step Toward Global Excellence

Through this and similar programs, SACGC



■ Other Participation from Program.

reaffirms its commitment to offering the best educational opportunities to Kuwaiti students, believing that investing in young minds is the foundation of a society's advancement. These are not just isolated initiatives—they mark the beginning of a sustained path to excellence, with Kuwait's students stepping confidently toward global achievement.

The Scientific Center of Kuwait
2025 Highlights



In 2025, The Scientific Center of Kuwait strengthened its role as a leading hub for science, education, and environmental awareness, reaching more of the community than ever before.

- More than 200 school visits brought science closer to students across Kuwait.
- Over 17,000 students participated in interactive learning programs.
- Almost 1,500 participants joined the Summer Camp, engaging in hands-on workshops and creative learning activities.
- More than 400 volunteers dedicated their time and energy to support our programs and visitor services.
- More than 50 animals rescued and treated at Mijbil Almutawa Aquarium reflected our ongoing commitment to marine life conservation.
- 4 Memoranda of Understanding (MoUs) were signed with local and international partners, fostering collaboration in science, culture, and sustainability.
- More than 30 events this year highlighteing innovation, environmental awareness, and community engagement.

These accomplishments demonstrate the Center's impact in 2025 and its dedication to inspiring future generations.

DDI Highlights 2025

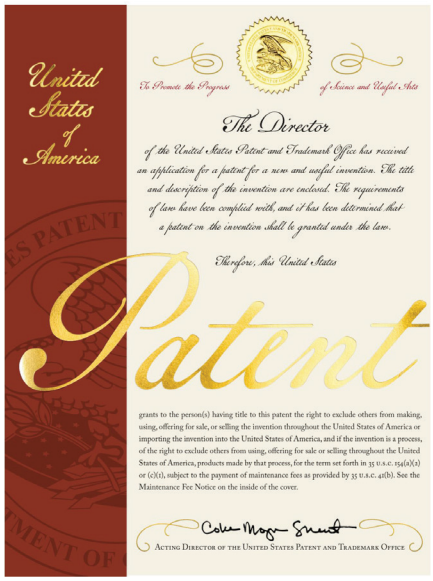


Dasman Diabetes Institute (DDI) is proud to serve the people of Kuwait by addressing one of the nation's most urgent health challenges, "Diabetes". Guided by a strategy rooted in research excellence and scientific rigor, DDI applies a multidimensional, integrated approach to deliver meaningful impact.

This year, under the patronage of the Minister of Health Dr. Ahmad Al-Awadhi, DDI hosted the first International Dasman Diabetes Summit, a landmark three-day event in Kuwait that welcomed more than 450 participants. This summit featured 21 distinguished experts, including 11 international, 3 regional, and 7 local speakers who shared insights, showcased cutting-edge advances in diabetes care, and created a platform for global collaboration.

In September 2025, in partnership with the Ministry of Health, DDI was awarded a United States patent for a novel test to diagnose obstructive sleep apnea, a condition strongly linked to type 2 diabetes with serious health complications. This innovation reflected the Institute's commitment to applying research that directly benefits community health.

Scientific excellence remains at the heart of DDI's mission. Up to the third quarter of 2025, DDI research teams had published over 90 peer-reviewed articles in leading journals including Lancet Diabetes & Endocrinology, Diabetes Care, Nature Reviews Genetics, and Endocrine Reviews. Over 76% of these publications appeared in top-tier (Quartile 1) journals. Notably, more than 67% of the publications involved international collaborators and over 40% included national collaborations, reflecting the Institute's strong research partnerships. These contributions advanced global understanding of diabetes while elevating Kuwait's presence on the international


United States of America

To Promote the Progress of Science and Useful Arts

The Director

of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this United States

Patent

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Acting Director of the United States Patent and Trademark Office





Dasman Diabetes Institute (DDI) is proud to serve the people of Kuwait by addressing one of the nation's most urgent health challenges

research stage. To further strengthen our role as a center of excellence, DDI scientists and medical professionals trained and mentored more than 45 university interns, ensuring capacity building in the next generation. In addition, our researchers delivered over 80 oral and poster presentations at prestigious conferences such as the International Diabetes Federation World Diabetes Congress and the American Diabetes Association Scientific Sessions.

Beyond research, DDI remained committed to education and awareness. During the first three quarters of 2025, the Institute delivered over 175 workshops and accredited training programs, equipping healthcare professionals, educators, and individuals to better manage and prevent diabetes. To reach the wider community, DDI produced more than 75 educational resources, took part in 50+ media interviews, and organized over 60 outreach events, directly engaging more than 2,000 participants to raise awareness and promote healthier lifestyles.





DDI 2025: #'s to support in infographics

- 450+ participants at the first International Dasman Diabetes Summit (IDDS)
- 14 international & 7 local experts shared insights on advanced diabetes care
- 1 U.S. patent awarded (in collaboration with MOH) for a novel OSA diagnostic test
- 175+ workshops & accredited training programs delivered
- 75+ educational resources published (booklets, flyers, videos)
- 50+ media interviews
- 60+ community and outreach activities promoting health awareness
- 90+ peer-reviewed publications in leading journals (Lancet Diabetes & Endocrinology, Diabetes Care, Nature Reviews Genetics, and more)
- 76% indexed Quartile 1 Journals
- 52 Impact Factor - Nature Reviews Genetics
- 22 Impact Factor - Endocrine Reviews
- 16.6 Impact Factor - Diabetes Care
- 42 Internships with University Students
- 42% Publications with National Collaborators
- 67% Publications with International Collaborators