



Faculty of Science Highlights

Faculty of Science Newsletter – August 2026 | Events & Activities

Public Relations & Media Unit

Scientific Poster Event for Chemistry Students



On Thursday, 13/8/2026, the Department of Chemistry organized a Scientific Poster event with the participation of the department's students, aiming to promote scientific research and encourage students to present their projects and scientific ideas in an innovative and organized manner. The event was supervised by the Department of Chemistry and its faculty members, who provided students with guidance and scientific support while preparing their posters, helping to develop their research, scientific, presentation, and communication skills.

Observation of the Partial Lunar Eclipse



On Thursday, 28/8/2026, the Department of Astronomy and Space Sciences observed the partial lunar eclipse. The city of Jeddah witnessed the early stages of the eclipse, coinciding with moonset, and the partial eclipse in Jeddah reached about 31%, a remarkable astronomical sight that could be observed shortly before moonset, as part of the department's efforts to observe and document astronomical phenomena.

Workshops and Laboratory Tours



On Monday, 31/8/2026, the Faculty of Science hosted INFINITY X, as part of its efforts to strengthen communication and cooperation with relevant entities and companies. The visit included a number of workshops and introductory tours of the Faculty's laboratories, where the company's delegation viewed the modern capabilities and equipment housed in the laboratories, learned about key scientific fields and applications, and exchanged specialized expertise and knowledge, helping to support the scientific and academic environment and enhance opportunities for cooperation between both parties.

Opening of Caffeine Craft Café



The Faculty of Science witnessed the opening of CAFFEINE CRAFT café, located opposite Gate 4, as a new addition to the Faculty's facilities. It provides students and Faculty staff with a suitable space to relax and enjoy coffee and beverages during the school day. The café's opening is part of providing an integrated university environment that meets the needs of students and Faculty staff, adds a touch of vitality and comfort to daily life within the Faculty, and offers a nearby, easily accessible location for visitors and those frequenting the Faculty.





Second Gold Medal at the World's Largest AI Hackathon



Dr. Thamer bin Mahmoud Eid of the Department of Biochemistry won the second Gold Medal at the world's largest artificial intelligence hackathon through his participation with the CLEARSENSE AI project. This achievement came within a global event recorded in the Guinness World Records, with 52,324 participants and more than 3,500 projects from over 150 countries. It extends his previous gold medal for the LABLEGACY AI project, earning him two gold medals for two projects that employ artificial intelligence to serve knowledge and enhance quality of life.

Faculty of Science Research Output – August 2026

Interdisciplinary research moving from knowledge to impact

The Web of Science weekly updates for August 2026 reveal a diverse research presence for the Faculty of Science at King Abdulaziz University, comprising 116 research papers spanning a wide range of disciplines. The value lies not only in the number, but in the breadth of topics and their capacity to respond to the challenges of health, energy, water, food, the environment, and digital transformation.

Thematic Distribution of Faculty of Science Research – August 2026
116 research papers classified by main topic

41 35.3%	■■■■■■■■■■	Health & Life Sciences
37 31.9%	■■■■■■■■■■	Materials, Energy & Applied Chemistry
21 18.1%	■■■■■	Mathematics, Modeling & AI
17 14.7%	■■■■	Environment, Agriculture & Food

Source: Attached Web of Science weekly updates for August 2026.

Thematic classification based on the papers' titles and abstracts, with each paper assigned to its main topic.

Health and Life Sciences led the landscape with 41 papers, addressing antimicrobial resistance, mathematical modeling of viral diseases, cancer biomarkers, CRISPR techniques for tuberculosis detection, genetics and precision medicine, and AI-assisted drug discovery. This track embodies the transition of basic science from understanding biological mechanisms to developing diagnostic and therapeutic tools that can be turned into health products and services.

In Materials Science, Energy, and Applied Chemistry, 37 papers appeared on solar cells, photocatalysis and water purification, hydrogen production, energy storage, electrochemical sensors, and corrosion-resistant materials. Notable examples include converting plant products into advanced electrodes for energy storage, developing materials for solar fuels, and sensors for monitoring water pollutants. These topics represent direct opportunities for intellectual property, prototypes, and partnerships with the energy, water, and industrial sectors.

Mathematics, Modeling, and Artificial Intelligence recorded 21 papers covering fractional equations, reliability, Bayesian inference, deep learning, epidemiological modeling, and even the limits of inference in Ethereum networks. In addition, 17 papers addressed the Environment, Agriculture, and Food, ranging from salinity, drought, and heat-stress tolerance to biostimulants, valorization of agricultural waste, forest carbon, and food safety. This integration confirms that mathematics and computing are no longer two separate tracks, but have become an enabling infrastructure for accelerating discovery across the other sciences.

This output clearly intersects with the national priorities for research, development, and innovation: human health, environmental sustainability and essential needs, leadership in energy and industry, and economies of the future. The next step toward a knowledge economy is to build a monthly map of applicable research, classify it by technology readiness, and then connect research teams with industrial partners and innovation incubators. Publication then shifts from a performance indicator into a continuous pathway for producing technologies, patents, startups, and societal impact.



Prepared by
Dr. Ahmed bin Obaid Al-Zahrani
Vice Dean for Graduate Studies and Scientific Research, Faculty of Science



**Invitation to Document and Publish Department Events via the Newsletter
of the Faculty's Public Relations & Media Unit**

Peace be upon you, and the mercy and blessings of Allah,

Warm greetings,

Out of the Public Relations and Media Unit's keenness to highlight the efforts and work of the Faculty's departments, we would like to inform you that departments wishing to publish their events and activities can do so through the Unit's newsletter.

Please provide us with the event details (event name, date, venue, organizing entity, and [upload the photos via Drive](#)) by completing the Unit's form via the [QR code](#) or through the link. [Click here](#)

Thank you for your cooperation and contribution to highlighting the Faculty's achievements.

With best regards,

