بسم الله الرحمن الرحيم

Kingdom of Saudi Arabia
King Abdulaziz University
Faculty of Science
Department of Biological Sciences

Department of Biological Sciences – Achievements Report

Introduction

This report presents the key achievements of the Department of Biological Sciences, Faculty of Science, King Abdulaziz University, at the level of the department, its faculty members and its students, in awards, competitions and scientific events at the national and international levels.

Summary of Achievements

No.	Category	Number of Achievements
1	Department Achievements	5
2	Faculty Achievements	18
3	Student Achievements	57
Total		**80**

1. Department Achievements

No.	Achievement	Details	Year
1	Full academic accreditation	All of the department's bachelor's programmes obtained full academic accreditation	—
2	Launch of a new bachelor's programme	Launch of the Bachelor of Molecular Biology and Biotechnology programme	—
3	Approval of a scientific journal and its editorial board	The University Council approved the establishment of the Journal of Biological Insights (JBI) in the department and the formation of its editorial board	—
4	Community service and science outreach	Judging the Three-Minute Thesis competition, delivering training workshops, and organising Biology Club events on mental-health awareness and the effect of plastic pollution on foetal health	—
5	Contribution to scientific peer review	Department members reviewed manuscripts for scientific journals, including Stem Cell Research & Therapy, and evaluated research output submitted for the promotion of faculty members from other institutions	2026

2. Faculty Achievements

No.	Name	Achievement	Awarding Body / Event	Year
1	Prof. Mohammed Othman Al-Jahdali	ISESCO Prize for Excellence in Environmental Practices	ISESCO	—

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No.	Name	Achievement	Awarding Body / Event	Year
2	Prof. Mohammed Othman Al-Jahdali	International keynote speaker	International Student Symposium on Forestry and Environmental Sciences – Universiti Putra Malaysia (8 December 2025)	2025
3	Prof. Mohammed Othman Al-Jahdali	Certificate of appreciation for reviewers, in recognition of his contribution to peer review	Forum Geografi journal	2025
4	Dr. Ali Zare	Faculty-level recognition for excellence in scientific publishing	Faculty of Science	2024
5	Dr. Ali Zare	Editor-in-Chief of the Journal of Microscopy and Ultrastructure (JMAU), a quarterly, peer-reviewed, open-access journal	Saudi Society of Microscopes – King Abdulaziz University	—
6	Prof. Saleh Al-Karim	Certificate of registration of a written work	Saudi Authority for Intellectual Property	—
7	Dr. Noha Zailaie	Two patents: an exercise-powered manual washing machine (Patent No. 22547) and a holder for injecting laboratory animals (Patent No. 22814)	Patents	—
8	Dr. Hanan Al-Yahya	A research paper recognised as one of the most highly cited	Wiley	—
9	Dr. Suzan Al-Harbi	World Gold Medal in Artificial Intelligence for FlowRoom, a smart platform that enhances focus and productivity	World Gold Medal in Artificial Intelligence	2026
10	Dr. Samia Jastaniah, Dr. Shatha Qattan	Highest student evaluation rating	Student evaluation – previous academic year	—
11	Dr. Hadbaa Omrah	Highest student evaluation rating	Student evaluation – the academic year before	—
12	Dr. Irfan Rather	Two US patents: an antifungal ionic liquid and amphotericin B combination (US 11,944,609 B1, 2024), and homoleptic metal coordination complexes as antifungal agents (US 11,780,868 B1).	US patents	—

No.	Name	Achievement	Awarding Body / Event	Year
13	Dr. Hani Mohammed Ali, Dr. Yasir Anwar	Discovery of potent alpha-glucosidase inhibitors from Heterophragma adenophyllum; US Patent No. 11,452,708.	US patent	2022
14	Prof. Salha Alaqaili	Co-inventor of two UK registered designs: AI-Driven Blood Microbiome Analyzer (BMA System), No. 6482056, November 2025; and a Deep-Learning Based Medical Device for Antimicrobial Prediction, No. 6445629, May 2025.	UK registered designs	2025
15	Prof. Jamal Sabir, Dr. Sherif Idris, Dr. Alawiyah AlHibshi, Prof. Ahmed Bahieldin, Dr. Majid Kamli, Dr. Irfan Rather	Published US patent application entitled “Device and Method for Pathogen Detection”, Publication No. US 2025/0155438 A1.	Published US patent application	2025
16	Prof. Majid Rasul	Authorship of Diverse Applications of Nanotechnology in the Biological Sciences; e-book ISBN: 9781003277255.	CRC Press	2022
17	Dr. Irfan Rather	Included in global lists of highly cited scientists, according to Stanford University statistics published on Elsevier.	Stanford University / Elsevier	2024
18	Dr. Majdah Aburas	Founder and Vice President of the Saudi Environmental Society (SENS); selected as the first Saudi woman environmental ambassador; reviewer and editor for UNEP’s GEO-6 report; contributor to national environmental awareness campaigns.	Saudi Environmental Society; United Nations Environment Programme	—

3. Student Achievements

No.	Name	Level / Major	Achievement	Competition / Event	Year
1	Kholoud Al-Otaibi	PhD – Genetics	Gold medal with honours as part of a team	Geneva International Exhibition of Inventions 2026	1447 AH

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No.	Name	Level / Major	Achievement	Competition / Event	Year
2	Modhi Al-Buqami	Biological Sciences	Second place with a medal, and a special award as Best Inventor	Seoul International Invention Fair 2025	1447 AH
3	Sabreen Thabet	Microbiology	Third place for Best Scientific Poster	19th Medical Genetics Symposium of the Western Region – supervised by Dr. Fatimah Basingab	1447 AH
4	Wurood Attiah bin Abdulmuti Al-Youbi (Microbiology), Imtinan Hassan Al-Ghoshmari (Zoology)	Microbiology ; Zoology	First place	First Research Conference for University Students in the Makkah Region	1447 AH
5	Mashael Saud Saad Al-Shalawi (Genetics), Omniah Abdulrahman Saad Al-Shahrani (Microbiology)	Genetics; Microbiology	Second place	First Research Conference for University Students in the Makkah Region	1447 AH
6	Sabreen Thabet (Microbiology); Linda Al-Imam and Raghad Al-Zahrani (Botany)	Microbiology ; Botany	Second place for Sabreen; third place for Linda and Raghad	Faculty of Science Innovators and Inventors – 2nd edition	1447 AH
7	Modhi Al-Buqami	Microbiology	Best CEO Award for Hisn company	Fikra Competition – INJAZ Saudi Arabia 2025	1447 AH
8	Modhi Al-Buqami	Biological Sciences	Third place with the Hisn team	Athar Hackathon – Sustainability Track	1447 AH
9	Modhi Al-Buqami	Biological Sciences	Title of Al-Borg Laboratories Ambassador during field training	Al-Borg Laboratories	1447 AH
10	Modhi Al-Buqami	Microbiology	Among the winning entries	Miyahthon (Water Hackathon) – 2nd edition	1447 AH
11	Modhi Al-Buqami	Microbiology	Excellence Shield	Faculty of Science	1447 AH
12	Shahad Salem Bamufleh, Wasmiah Al-Raddadi	Genetics	Third place	Badminton – doubles	1447 AH

No.	Name	Level / Major	Achievement	Competition / Event	Year
13	Lujain Fawzi Nasruddin (Zoology), Nouran Ibrahim Al-Bukhari (Microbiology)	Zoology; Microbiology	Participation with the English Language Institute team, winner of first place	3×3 Basketball – Colleges League	1447 AH
14	Hiba Fallatah (Zoology), Budoor Al-Bar (Microbiology)	Zoology; Microbiology	First place as part of a team representing the university	Recreational Table Tennis Tournament – University of Jeddah	1447 AH
15	Layan Al-Ghamdi, Budoor Al-Bar	Microbiology	Third place with the faculty team	Recreational Table Tennis Tournament – King Abdulaziz University, under the Saudi University Sports Federation	1447 AH
16	Hiba Fallatah	Zoology	First place with the team in table tennis	2nd GCC Sports Games – Qatar	1447 AH
17	Hiba Ahmed Fallatah (Zoology); Budoor Abdulrahman Al-Bar, Layan Abdullah Al-Ghamdi (Microbiology)	Zoology; Microbiology	First place in singles and doubles	Saudi University Sports Federation Championship – Qassim	1447 AH
18	Jameelah Hassan Al-Ayafi, Renad Mohammed Ahmed Al-Zahrani (Botany); Laila Hussain (Microbiology); Rana Mohammed Al-Harbi (Zoology)	Botany; Microbiology ; Zoology	Among the third-place winners, with students from other departments	Qawwi Qalbak (Strengthen Your Heart) Camp	1447 AH
19	Modhi Al-Buqami, Sarah Al-Mutairi	Microbiology	Silver medal and three special distinctions as part of the team for the “Self-Repairing Sewage Pipes” innovation	Geneva International Exhibition of Inventions 2025	1446 AH
20	Dalia Al-Ghamdi	Microbiology	First place with the AstroTech team	Space Applications Challenge – University of Business and Technology	1446 AH

No.	Name	Level / Major	Achievement	Competition / Event	Year
21	Hayat Al-Sayegh, Maram Al-Ghamdi, Sarah Al-Fahmi, Nawal Abdulfattah	Microbiology	Second place with the Hydro Guard team	Redefining Plastic Competition	1446 AH
22	Sarah Al-Mutairi	Microbiology	Second place with the vision team	Education Hackathon – Medical Education Track	1446 AH
23	Zainab Al-Nasser	Genetics	First place as part of a team	Summer Student Programme during the Oxford delegation visit	1446 AH
24	Shahad Al-Maddah, Manal Al-Jahdali, Shumookh Al-Mowallad, Raghad Al-Zahrani, Buthainah Al-Mutairi	Botany	Second place with the team	Digital Environment Challenge	1446 AH
25	Shumookh Al-Mowallad, Manal Al-Jahdali, Shahad Al-Maddah, Buthainah Al-Mutairi	Botany	First place for the Upcycling project	Skills Licence: Leadership in Sustainable Development	1446 AH
26	Roaa Qadi	Zoology	First place for Best Artwork	Art Exhibition accompanying Scientific Poster Day 2	1446 AH
27	Sahar Fagihi	Microbiology	First place with the team of the film “Radhit”	Instilling Values Challenge – Season 2	1446 AH
28	Raghad Mohammed Nouh, Laila Hussain Sumaili (Microbiology); Hiba Ahmed Fallatah (Zoology)	Microbiology ; Zoology	Third place with a team that also included a Physics student	Muscular Strength Competition – Faculty of Nursing	1446 AH
29	Raghad Nouh, Layan Al-Mushaya, Nouran Bukhari, Maria Al-Rifai	Microbiology	Members of the Faculty of Science team that won first place	Colleges Basketball League	1446 AH

No.	Name	Level / Major	Achievement	Competition / Event	Year
30	Sondos Mosaad	Microbiology	Distinction in professionalism and commitment to task delivery during the first half of the programme	Jusoor Programme – 30-Day Challenge	1446 AH
31	Albandari Aziz Al-Mutairi	Microbiology	First place	Best Mobile App Idea Award	1445 AH
32	Albandari Aziz Al-Mutairi	Microbiology	Third place	Digital Salad Competition	1445 AH
33	Dana Al-Ghamdi Al-Hawbani	Graduate – Microbiology	First place	Solutions Lab Hackathon for Environmental Challenges – Trends and Innovations in Medical Laboratories Conference, Riyadh	1445 AH
34	Raghad Al-Zahrani, Shumookh Al-Mowallad, Shahad Al-Maddah, Manal Al-Jahdali	Botany	Second place	Solutions Lab Hackathon for Environmental Challenges	1445 AH
35	Shumookh Al-Mowallad	Botany	Third place	Change Makers Competition	1445 AH
36	Raghad Nouh	Microbiology	Second place	Saudi Universities Sports Federation Championship – 14th season	1445 AH
37	Sondos Talal Mosaad	Microbiology	Winner	Crown Prince Quotes Quiz	1445 AH
38	Anwar Mohammed Al-Shaeri	Microbiology	Winner of the Best Costume competition	Peoples' Tourism Carnival	1445 AH
39	Nawal Abdulfattah Hassan	Biology	Fourth place	Al-Rawi (Storyteller) Competition	1444 AH
40	Imtinan Barnawi	Biological Sciences	Third place	Ramadan Competition	1444 AH
41	Nouf Khalid Ameer	Biological Sciences	Excellence Shield	Student Activities Unit, Faculty of Science	1444 AH
42	Jumana Sabri Al-Kathiri	Biological Sciences	Faculty Star	Faculty of Science Stars	1442 AH

No.	Name	Level / Major	Achievement	Competition / Event	Year
43	Alyaa Saleh Al-Fadl	Biological Sciences	Faculty Star	Faculty of Science Stars	1441 AH
44	Tasneem Diab Al-Agha	Biological Sciences	Faculty Star	Faculty of Science Stars	1436 AH
45	Laila Mohammed Nurwali	Biological Sciences	Faculty Star	Faculty of Science Stars	1434 AH
46	Abdulrahman Qudsi	Master's	Gold medal from the French Federation of Inventors, and first place with a gold medal at the exhibition awards ceremony; a gold medal and Special Distinction Award for “FloraEX Smart Wound Care” at the 2026 edition	Geneva International Exhibition of Inventions	—
47	Mohammed Al-Deeb	Postgraduate	Third place	8th Forum for Scientific Research and Innovation – King Saud bin Abdulaziz University for Health Sciences; supervised by Dr. Thamer Bouback and Dr. Majed Al-Zahrani	—
48	Nouf Al-Jizani	Master's	Third place in the Innovation and Entrepreneurship category for entrepreneurial projects	Supervised by Dr. Manal Shafi and Dr. Najah Al-Buqami	—
49	Manar Al-Zahrani	Master's	First place – Best Scientific Poster	1st Conference of King Fahd Medical Research Center	2025
50	Imtinan Al-Ghoshmari	—	First place – Published Research track in Sustainable Environment Priorities and Basic Sciences	16th Scientific Forum, King Abdulaziz University – supervised by Dr. Noha Zailaie	—
51	Aisha Ali Hamdi	—	First place – Arts and Literature track, Short Story category	16th Scientific Forum, King Abdulaziz University	—

No.	Name	Level / Major	Achievement	Competition / Event	Year
52	Razan Hasanain, Imtinan Al-Ghoshmari	Master's	First place in the Basic Sciences and Engineering category	First Research Conference for University Students in the Makkah Region – hosted by the University of Jeddah	—
53	Daifallah Mohammed Al-Zahrani	—	Best Scientific Poster Award	3rd Postgraduate Forum, Faculty of Science "Researcher's Imprint" (18 November 2025)	2025
54	Students from the Department of Biological Sciences	—	First place and a cash prize of SAR 150,000	Best Innovation Bureau Competition	—
55	Wid Alrashidi	—	Third place	Merck Innovation Cup, Darmstadt, Germany	2024
56	—	Postgraduate	Second Best Poster and Third Best Poster awards	1st King Fahd Medical Research Centre Conference: "Enhancing Quality of Life through Research and Innovation"	—
57	Omnia Al-Shahrani	—	Best Scientific Poster Award	3rd Postgraduate Forum, Faculty of Science	2025

Note: a dash (—) indicates that the information is not available.