Kingdom of Saudi Arabia
King Saud University
College of Science
Department of Botany and Microbiology

جامعة الملك سعود
King Saud University

Botany Program Handbook



Academic Year
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Department of Botany and Microbiology


بسم الله الرحمن الرحيم

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Message from the Head of Department

It is my pleasure to welcome you to the Botany Program Handbook of the Department of Botany and Microbiology, College of Science, King Saud University. This handbook reflects the Department's commitment to providing a comprehensive academic and scientific reference that introduces the program, highlights its educational and research activities, and offers students, faculty members, and researchers essential information about the program.

The Botany Program is one of the long-established academic programs at the College of Science. It contributes to preparing highly qualified graduates in various fields of plant sciences through the three academic degrees it offers: Bachelor's, Master's, and Doctoral degrees. The Department is committed to advancing education and research, enhancing the quality of learning outcomes, and keeping pace with scientific developments in alignment with the objectives of Saudi Vision 2030.

This handbook provides an overview of the program's academic degrees and study plans, along with information about faculty members, laboratories, research facilities, the herbarium, botanical garden, academic services, and opportunities available to students and researchers.

The Department continues its efforts to develop its academic and research environment, support innovation and scientific research, and strengthen its role in community service, environmental conservation, and biodiversity protection. These efforts reflect the mission of King Saud University and its aspirations for excellence and leadership.

In closing, we hope that this handbook will serve as a valuable reference for all its users. We pray to Allah for continued guidance and success as the Department pursues further scientific and academic achievements.

Head of the Department

Dr. Khaloud Mohammed Alarjani

Historical Overview

The Department of Botany and Microbiology was established with the founding of the College of Science in 1378 AH (1958 CE), and it is the oldest department specializing in plant sciences in the Kingdom. At the beginning of the academic year 1403/1404 AH, the Department's branch for female students was opened at the University Studies Center for Girls. In 1407 AH (1987 CE), the Microbiology specialization was introduced alongside the Botany specialization, and the study plans were developed accordingly; the Department began awarding the bachelor's degree in Botany and in Microbiology, as well as a dual degree (Botany – Microbiology). As a result, the Department of Botany was renamed the Department of Botany and Microbiology in 1410 AH. Since 1401 AH (1981 CE), the Department has offered graduate studies leading to the master's degree in Botany. In 1417 AH (1997 CE), the Council of the College of Graduate Studies and the University Council approved the study plans for the Doctor of Philosophy degrees in Botany and in Microbiology for both male and female students, with registration beginning in the second semester of the academic year 1417/1418 AH. In collaboration with the Department of Zoology and the College of Food and Agricultural Sciences (formerly the College of Agriculture), the Department also awards a master's degree in Biodiversity.

The Department of Botany and Microbiology occupies the north-western part of Building No. 5 of the College of Science (male campus). It comprises more than 20 teaching laboratories, 28 specialized research laboratories and a central laboratory, all equipped with a wide range of modern instruments, in addition to several lecture rooms. The Department also houses a herbarium that is a highly important reference for the plants of the Arabian Peninsula, preserved by scientific methods that keep them close to their natural appearance and serving both teaching and research, as well as a botanical garden containing many wild plants from diverse ecological habitats. The Department also has a branch on the female students' campus of King Saud University (Building 5), which provides all the facilities needed to support advanced learning.

The Department has a service unit (the Central Research Laboratory) equipped with the latest technical equipment, together with an integrated unit for microscopic preparations, to support the research of faculty members and graduate students.

The Botany Program

The Botany Program in the Department of Botany and Microbiology, College of Science, King Saud University, is an academic and research program that seeks to provide distinguished education in the various fields of plant sciences and to prepare qualified scientific cadres with the knowledge and skills needed to keep pace with scientific and technological developments, in line with the goals of Saudi Vision 2030. The program offers three degrees – Bachelor's, Master's and Doctorate – and is committed to providing a stimulating learning and research environment that develops students' scientific and research abilities, strengthens critical thinking and innovation, and prepares them to contribute effectively to national development.

The program prepares graduates to work in various sectors related to plant sciences, including general and higher education institutions, agencies concerned with the environment, water, and agriculture, research centers, bodies responsible for conserving natural resources and biodiversity, and related private-sector institutions. The program also focuses on scientific research and its applications by supporting specialized studies in plant sciences, developing scientific solutions to environmental and agricultural challenges, strengthening research collaboration, and providing scientific consultancy to relevant organizations.

The program also contributes to community service and the spread of environmental awareness, and supports efforts to conserve biodiversity and plant resources, supporting sustainable development and aligning with national directions in the fields of environment and sustainability.

The Study System at the College of Science

Study at the College of Science, King Saud University, is organized in accordance with the Regulations for Undergraduate Study and Academic Affairs and the approved study plans of the academic programs, as follows:

1. Academic year: The academic year consists of two main semesters and an optional intensive summer session, according to the approved university calendar.
2. Semester: A period of not less than fifteen weeks, excluding the final examination period.
3. Summer session: A period of not less than seven weeks, excluding the final examination period, during which the time allocated to each course is doubled.
4. Study levels: Courses are organized and distributed across levels according to the approved study plan of each program; the number of levels and the regular duration of study are set by the program's guiding study plan.
5. Courses: Students take compulsory, elective, and free courses as specified in the approved study plan. Course activities include theoretical lectures, exercises, practical applications, training, and other learning activities.
6. Graduation requirements: Students must pass all the courses and credit units specified in the approved study plan of the Botany Program and fulfill the graduation requirements in accordance with university rules and regulations.
7. Common first year and specialization: Students join the common first year according to their designated academic track. Assignment to a specialization takes place after the approved requirements and conditions are met, according to the dates and procedures announced by the Deanship of Admission and Registration.
8. University calendar: Students must observe the dates set in the approved university calendar, including the start and end of classes, the registration, drop/add, and withdrawal periods, and the final examinations.
9. Academic Enhancement Week: One week in each semester is dedicated to enhancing student achievement, addressing knowledge gaps, completing final practical assessments, and providing academic support, in accordance with the University's approved rules.The Electronic Academic Registration System (e-Register)

The academic registration system is a cornerstone of organizing the educational process at King Saud University. It allows students to manage their academic affairs and follow their academic progress electronically. The University provides the academic system (e-Register) and the Academic System Portal (EduGate), through which students can access the available academic services in accordance with the approved rules and regulations.

First: Accessing the Academic System

1. Activate the university account and use the e-mail and electronic services provided by the Deanship of E-Transactions and Communication.

2. Log in to the Academic System Portal (EduGate).
3. Sign in using the approved university account credentials.
4. Review the academic services available to the student and select the required service.

For account, e-mail, and technical-support services, visit Student Services – Deanship of E-Transactions and Communication.

Second: Electronic Academic Services

The academic portal offers students a range of services, most notably:

1. Online registration: Registering courses and modifying registration (drop and add) during the specified periods.
2. Class schedule: View the student's class schedule, open and closed course sections, and print the schedule.
3. Academic record: Reviewing courses, grades, and cumulative GPA, and printing an unofficial copy of the academic record.
4. Course results: Viewing course results once they have been entered and released in the system.
5. Study plan: Tracking completed and remaining courses and graduation requirements according to the approved study plan.
6. Student allowances: Viewing allowance data and financial entitlements available to the student.
7. Academic transactions: Submitting available online requests, such as postponement, withdrawal, transfer, and re-enrolment, according to the announced rules and dates.
8. Course and faculty evaluation: Taking part in the electronic evaluation processes offered by the University.
9. Communication and support: Using the electronic communication channels and the Beneficiary Care platform to submit and follow up on inquiries and requests.

The services displayed may vary according to the student's status, account permissions, and updates made by the University to its electronic systems.

Third: Course Registration Rules and Procedures

1. The course

A course is a subject within the approved study plan of the academic program. Each course has a code, number, title, a specified number of credit units, and an approved course

description. A course may include theoretical lectures, practical classes, applications, and other learning activities.

2. The credit unit

The credit unit is the measure of a course's study load. It is calculated according to the nature of the learning activity and the number of contact hours approved in the course specification and study plan.

3. Automatic course registration

Regular students are registered automatically according to the rules set by the Deanship of Admission and Registration, unless the student is barred from registration. Students must log in to the academic portal and view their class schedule within the specified period; the automatic registration of a student who has not viewed the schedule by the end of the second week of the semester is canceled.

4. Study load

The minimum study load in a semester is twelve (12) credit units, and the maximum is twenty (20) credit units, in proportion to the student's cumulative GPA and study plan.

For students expected to graduate, the maximum may be increased, in accordance with the approved authorities and rules, to no more than twenty-four (24) credit units in a regular semester and twelve (12) credit units in the summer session.

5. Drop and Add

Students may modify their registration electronically during the period specified in the university calendar, in accordance with the approved rules.

Conditions for dropping courses:

- Dropping must not reduce the study load below the permitted minimum, except under approved exceptions.
- A course linked to a co-requisite may not be dropped on its own if doing so would violate registration requirements.

Conditions for adding courses:

- The course must be part of the approved study plan, or one of the permitted elective or free courses.
- There must be no conflict in the class schedule.
- Seats must be available in the requested section.
- The course prerequisites and co-requisites must be satisfied.

- The student must not have previously passed the course.
- The addition must not exceed the maximum permitted study load, according to the cumulative GPA and the approved rules.

Drop and add steps:

1. Log in to the Academic System Portal using the university account.
2. Select the Drop and Add service.
3. Browse the courses and sections.
4. Make the required change using the available options.
5. Check the class schedule after completing the process to make sure the changes have been registered.

6. Registration and Academic Transaction Dates

The Deanship of Admission and Registration sets the dates for registration, drop and add, withdrawal from courses or from the semester, postponement, transfer and other academic transactions through the university calendar and the approved timetables.

Students must follow these dates regularly, as the drop and add period does not necessarily begin with the start of classes and may be scheduled before the semester begins.

7. Registration Problems and Technical Support

If a problem arises when registering for courses or modifying the class schedule, students should first check their registration status and the messages shown in the academic portal, then contact the relevant office within the registration period.

- Academic and registration issues: Contact the Registration Office at the College of Science or the Deanship of Admission and Registration.
- University account and e-mail issues: Contact the Deanship of E-Transactions and Communication.
- Requests and inquiries: Use the Beneficiary Care platform through the website of the Deanship of Admission and Registration.

Important Official Links

- Academic System Portal (EduGate)
- Deanship of Admission and Registration – Electronic Services
- Drop and Add – Conditions and Procedures
- Academic Procedures (Arabic)
- Student Services – Deanship of E-Transactions and Communication
- Regulations for Undergraduate Study and Academic Affairs (Arabic)

Note: All registration and drop/add procedures are subject to the approved regulations and rules of King Saud University. The instructions and dates announced by the Deanship of Admission and Registration are the official reference whenever any update is made.

Rules for Course Registration and Calculation of Academic Averages

First: Course Registration Controls

Courses are registered through the Academic System Portal (EduGate), according to the approved study plan of the program and the rules and dates set by the Deanship of Admission and Registration.

The following should be observed when registering courses:

1. Drop and add operations are carried out electronically during the periods specified in the university calendar.
2. Course prerequisites and co-requisites must be satisfied before registration.
3. Courses are registered following the sequence specified in the study plan, taking into account any courses the student has not yet passed.
4. The minimum and maximum permitted study load must be observed according to the approved regulations.
5. There must be no conflict between the lecture and practical-class times of the registered courses.
6. Seats must be available in the requested sections.
7. The class schedule should be reviewed after registration to ensure the courses have been registered correctly.

For students facing academic difficulty, course registration takes into account the study-plan requirements, failed courses, prerequisites, timetable conflicts, and the permitted study load, in coordination with the academic advisor and the relevant offices when needed.

Second: Calculating the Semester and Cumulative GPA

Semester and cumulative GPAs are calculated automatically by the academic system. Students can verify them using the number of credit units and the grades obtained in their courses.

1. Semester GPA

The semester GPA is calculated as follows:

a. Determine the number of credit units of each course.
b. Determine the grade obtained in each course.
c. Find the grade value according to the approved grading scale.
d. Calculate the points of each course by multiplying its credit units by the grade value.
e. Add up the points of all courses counted in the semester GPA.
f. Divide the total points by the total credit units counted in the semester.

> Semester GPA = total points of the semester's courses ÷ total credit units counted in the GPA.

2. Cumulative GPA

The cumulative GPA is calculated by dividing the total points earned in all courses counted since the start of study by their total credit units.

Cumulative GPA = total cumulative points ÷ total credit units counted in the GPA.

The provisions on repeated courses, equivalent (transferred) courses, and grades not counted in the GPA must be taken into account, according to the University regulations.

Third: Drop/Add and Withdrawal from Courses

a- Drop and add

Students may modify their registration during the period specified in the university calendar, observing the minimum and maximum study load, satisfying prerequisites and co-requisites, and avoiding conflicts in the class schedule.

b- Withdrawal from a course

Students may apply to withdraw from one or more courses according to the approved rules. A course from which withdrawal is approved is recorded with a grade of (W) and is not counted as a failure.

The request must be submitted within the period specified in the university calendar, its status followed through the academic portal, and the student must continue attending the course until the withdrawal is approved.

Fourth: Attendance and Denial from the Final Examination

Students must attend the theoretical lectures, practical classes, and other scheduled learning activities.

A student is denied entry to the final examination of a course if the permitted absence limit set by the University regulations is exceeded, unless the excuse is accepted and the denial is lifted by a decision of the competent authority.

Absence excuses and requests for exemption from denial may be submitted electronically during the periods specified in the university calendar.

Fifth: Postponement and Discontinuation of Study

1. Postponement of study

Students may apply to postpone their studies according to the approved rules and durations, through the academic portal and within the period specified in the university calendar.

2. Discontinuation of study

The enrolment of a regular student is canceled if the student discontinues study for a semester without registering courses and without having withdrawn or postponed, in accordance with the provisions of the University regulations.

3. Studying as a visiting student

A student is not considered to have discontinued study during the semesters in which he or she studies as a visiting student at another university, in accordance with the approved procedures and approvals.

Sixth: Grading Scale and GPA Calculation

Semester and cumulative GPAs are calculated automatically by the system. To understand how the averages are calculated, follow the steps below.

Calculating the Semester GPA

The semester GPA is calculated from the following:

1. The number of credit hours of the courses.
2. The mark obtained in each course.
3. The grade corresponding to the mark.
4. The grade value.
5. Points = course credit hours × grade value.
6. The total points obtained in all courses of the semester.
7. The total number of credit hours registered in the semester.
8. The semester GPA is calculated using the following equation:

$$\text{Semester GPA} = \frac{\text{Total points (item 6)}}{\text{Credit hours registered in the semester (item 7)}}$$

The following table shows the percentage marks, the grades, and the grade values a student obtains in each course; it is used to calculate the points:

Mark	Grade	Grade Symbol	Grade Value
From 95 to 100	Excellent High	A+	5.00
From 90 to less than 95	Excellent	A	4.75
From 85 to less than 90	Very Good High	B+	4.50
From 80 to less than 85	Very Good	B	4.00
From 75 to less than 80	Good High	C+	3.50
From 70 to less than 75	Good	C	3.00
From 65 to less than 70	Pass High	D+	2.5
From 60 to less than 65	Pass	D	2.00
Less than 60	Fail	F	1.00
Absence from lectures of 25% or more	Denied	DN	1.00

Calculating the Cumulative GPA

The cumulative GPA is calculated as follows:

1. The grand total of points (for all semesters studied).
2. The grand total of credit hours (for all semesters studied).
3. The cumulative GPA is calculated using the following equation:

$$\textbf{Cumulative GPA} = \frac{\text{Grand total of points}}{\text{Grand total of credit hours}}$$

The following is an example of calculating the above averages:

Calculating the GPA of the first semester:

Course	Credit Hours	Mark	Grade	Grade Value	Points
PHYS 101	4	67	D+	2.5	4 × 2.5 = 10
CHEM 101	4	73	C	3	4 × 3 = 12
ENG 121	3	77	C+	3.5	3 × 3.5 = 10.5
ARAB 101	2	81	B	4	2 × 4 = 8
	13				40.5
Semester GPA = total points ÷ credit hours registered in the semester = 40.5 ÷ 13 = 3.12					

Calculating the GPA of the second semester:

Course	Credit Hours	Mark	Grade	Grade Value	Points
MATH 101	3	61	D	2	3×2 = 6
STAT 101	3	73	C	3	3 × 3 = 9
CSC 206	3	80	B	4	3 × 4 = 12
ARAB 103	3	88	B+	4.5	3 × 4.5 = 13.5
IC 101	2	92	A	4.75	2 × 4.75 = 9.5
ENG 122	3	97	A+	5	3 × 5 = 15
	17				65
Semester GPA = total points ÷ credit hours registered in the semester = 65 ÷ 17 = 3.82					

Cumulative GPA

Cumulative GPA = total points of both semesters ÷ total credit hours of both semesters = 105.5 ÷ 30 = 3.52.

The cumulative GPA can also be calculated directly using the link https://wadhahessam.github.io/ksu-gpa-v1/

Dismissal from the University

A student is dismissed from the University in the following cases:

- If the student receives a maximum of three consecutive warnings because the cumulative GPA has fallen below the minimum (2 out of 5).
- The University Council, on the recommendation of the College Council, may give a fourth chance to a student who is able to raise his or her cumulative GPA by studying the available courses.
- The University Council may give students dismissed because of warnings a chance not exceeding two semesters at most.
- If the student does not complete the graduation requirements within a maximum period equal to half the period prescribed for graduation, in addition to the duration of the program.
- The University Council may give the student an exceptional chance to complete the graduation requirements by extending the period up to a maximum equal to twice the original period prescribed for graduation.
- The University Council may give students dismissed after exhausting the exceptional chance (twice the duration of the program) a chance not exceeding two semesters at most.

Examinations and Grades

4. The College Council, on the proposal of the Department Council, sets a mark for semester work ranging from 40% to 60% of the final mark of the course.
5. The semester-work mark of a course is calculated by one of the following two methods:
6. Oral or practical tests, research papers or other types of class activities – all or some of them – plus at least one written test.
7. At least two written tests.
8. The Council of the Department teaching the course may, on the recommendation of the course instructor, allow a student to complete the requirements of any course in the following semester. The student is given an "Incomplete" (IC) grade in the academic record, and only the grade obtained after completing the requirements of that course is counted in the semester and cumulative GPA.
9. If one semester passes and the Incomplete (IC) grade in the student's record has not changed because the requirements were not completed, it is replaced by a Fail (F) grade, which is counted in the semester and cumulative GPA.
10. The grades a student obtains in each course are calculated according to the table given above in the section on calculating averages.

Rules of the Final Examination

1. A student may not sit examinations in more than two courses on the same day.
2. A student is not allowed to enter the final examination after half an hour has passed from its start, nor to leave the examination before half an hour has passed from its start.
3. The College Council, on the recommendation of the relevant Department Council, sets the duration of the final written examination, which must be not less than one hour and not more than three hours.
4. Cheating in an examination, attempting to cheat, or violating examination instructions and rules are offences for which the student is penalized according to the Student Discipline Regulations issued by the University Council.
5. In cases of necessity, the Council of the College teaching the course may approve the re-marking of answer sheets within a period not extending beyond the beginning of the following semester, according to the following rules:
    - A student may apply for the re-marking of the answer sheets of only one course per semester.

- The student submits the re-marking request to the department teaching the course no later than one month after the end of the final examination period of the semester concerned.
- The student must not have previously applied for the re-marking of an examination and had the request proved unfounded.

Transfer

First: Transfer from one college to another within the University

- With the approval of the deans of the two colleges concerned, a student may transfer from one college to another according to the conditions approved by the Council of the college to which the student wishes to transfer.
- All courses previously studied by a student who transfers from one college to another are recorded in the academic record, including the grades and the semester and cumulative GPAs throughout the period of study at the college from which the student transferred.

Second: Transfer from one specialization to another within the College

- After the approval of the Dean of the College, a student may transfer from one specialization to another within the College according to rules set by the College Council.
- All courses previously studied by a student who transfers from one specialization to another are recorded in the academic record, including the grades and the semester and cumulative GPAs throughout the period of study at the University.

Graduation

A student graduates after successfully completing the graduation requirements according to the study plan, provided that his or her cumulative GPA is not less than 2 (Pass).

Faculty Members of the Botany Program by Specialization

No.	Name	Academic Rank	Specialization	E-mail
1.	Prof. Ahmed Hamad Al-Farhan	Professor	Plant Taxonomy	alfarhan@ksu.edu.sa
2.	Prof. Fahad Hamad Al-Qurainy	Professor	Plant Physiology	fal_qurainy@hotmail.com
3.	Prof. Abdulrahman Abdullah Al-Attar	Professor	Plant Ecology	aalatar@ksu.edu.sa
4.	Prof. Ibrahim Abdullah Al-Arid	Professor	Biotechnology	ialaraidh@ksu.edu.sa
5.	Prof. Abdulaziz Abdullah Alshenaifi	Professor	Plant Anatomy	aalshenaifi@ksu.edu.sa
6.	Prof. Mohammad Faisal	Professor	Plant Biotechnology	mofaisal@ksu.edu.sa
7.	Prof. Muhammad Ajmal Ali	Professor	Plant Taxonomy	alimohammad@ksu.edu.sa
8.	Prof. Manzer Hussain Siddiqui	Professor	Plant Physiology	mhsiddiqui@ksu.edu.sa
9.	Prof. Mohamed Abdel Raouf El-Sheikh	Professor	Plant Ecology	melsheikh@ksu.edu.sa
10.	Prof. Saud Ali Alamri	Professor	Plant Ecology	saualamri@ksu.edu.sa
11.	Prof. Asmaa Abdul Karim Al-Haqil	Professor	Molecular Physiology	aalhuqail@ksu.edu.sa
12.	Prof. Mona Soliman Alwhibi	Professor	Molecular Plant Taxonomy	malwhibi@ksu.edu.sa
13.	Prof. Kahkashan Perveen	Professor	Plant Pathology	kperveen@ksu.edu.sa
14.	Dr. Muhammad Khair Al-Okla	Associate Professor	Plant Ecology	malokla@ksu.edu.sa
15.	Dr. Abdel-Rhman Zakaria Gaafar	Associate Professor	Plant Biotechnology	agaafar@ksu.edu.sa
16.	Dr. Abdulrahman Mohammed Al-Hashemi	Associate Professor	Plant Biotechnology	aalhashimi@ksu.edu.sa
17.	Dr. Muhammad Manahi Al-Baqmi	Associate Professor	Plant Genetics	mmbaqami@ksu.edu.sa
18.	Dr. Jawaher Salman Al-Qahtani	Associate Professor	Plant Physiology	jsalqahtani@ksu.edu.sa
19.	Dr. Fahmiya Khan Abdul Latif	Associate Professor	Plant Physiology	kfaheema@ksu.edu.sa
20.	Dr. Faisal Khaled Al-Harbi	Assistant Professor	Plant Ecology	falhaarbi@ksu.edu.sa
21.	Dr. Hanan Fahad Al-Harbi	Assistant Professor	Plant Genetics	hhanan@ksu.edu.sa

No.	Name	Academic Rank	Specialization	E-mail
22.	Dr. Amal Muhammad Al-Qarawi	Assistant Professor	Plant Genetics	aalgarawi@ksu.edu.sa
23.	Dr. Al-Anoud Talal Al-Fagham	Assistant Professor	Plant Ecology	aalfaghom@ksu.edu.sa
24.	Hala Khaled Al-Rabiah	Assistant Professor	Plant Ecology	halrabeah@ksu.edu.sa
25.	Atheer Abdullah Alobaid	Assistant Professor	Biotechnology	abalobaid1@ksu.edu.sa
26.	Rana Abdullah Al-Qasoumi	Assistant Professor	Plant Physiology	ralqusumi@ksu.edu.sa
27.	Dr. Hayssam Mohamed Ali	Lecturer	Plant Physiology and Biotechnology	hayhassan@ksu.edu.sa
28.	Yasmine Abdel Rahman Al-Wasel	Lecturer	Taxonomy – Anatomy	yasmeen@ksu.edu.sa
29.	Al-Jawhara Salem Al-Shabib	Lecturer	Plant Physiology	jshabib@ksu.edu.sa
30.	Reem Abdul Rahman Al-Otaibi	Lecturer	Plant Taxonomy	rotaibi@ksu.edu.sa
31.	Maha Burgess Abanmi	Lecturer	Plant Physiology	abanomai@ksu.edu.sa
32.	Fawzia Ali Al-Qahtani	Lecturer	Plant Physiology	fg@ksu.edu.sa
33.	Wafa Muhammad Al-Omari	Lecturer	Plant Physiology	walamrii@ksu.edu.sa
34.	Munira Abdullah Al-Dosari	Lecturer	Plant Ecology	almonerah@ksu.edu.sa

Degrees Offered by the Program

The Botany Program offers three academic degrees, each with its own mission and objectives.

Bachelor's Degree

Vision	To raise the academic and research level to keep pace with scientific progress and the needs of society.
Mission	Development of the academic process and development of scientific research through strategic planning and a clear vision for science and technology at the country level. As well as training national cadres and introducing a methodology developed to meet society's diverse needs and serve various research and development projects in the community.
Objectives	1. Achieve excellence in higher education, scientific research, and community service. 2. Develop and implement ways and means to ensure quality performance and output. 3. Effectively use modern technology in education and scientific research. 4. Provide a favorable environment for study and scientific research. 5. To attract the best faculty members, researchers, and students. 6. Building bridges within and outside the College and communicating with various sectors of the community and globally. 7. To develop suitable training programs to upgrade the quality of the

Admission Requirements for the Bachelor's Program

In accordance with the admission requirements of the College, the Department requires the following:

1) The student must hold a secondary school certificate (Natural Sciences track).
2) The student's secondary school average must be not less than 75% (weighted percentage).
3) The student must be enrolled as a full-time student.
4) The student's cumulative GPA must be not less than 2.5 when transferring to the Department.

Study Plan of the Bachelor's Program in Botany

Group: Compulsory 1

First							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
ENGS 100	English Language	6				-	-
ARAB 100	Writing Skills	2				-	-
CT 101	Computer Skills	3				-	-
ENT 101	Entrepreneurship	1				-	-
MATH 101	Differential Calculus	3				-	-
Total	15						
Second							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
STAT 101	Introduction to Probability and Statistics	3				-	-
EPH 101	Fitness and Health Education	1				-	-
CHEM 101	General Chemistry (1)	4				-	-
CI 101	University Skills	3				-	-
ENGS 110	English for Specific Purposes	6				ENGS 100 - / P	-
Total	17						
Third							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BCH 101	General Biochemistry	4				-	-
BOT 102	Botany	3				-	-
ZOOL 103	Principles of Zoology	3				-	-
MBI 140	Microbiology	3				-	-
STAT 145	Biostatistics	2				-	-
Total	15						
Fourth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 213	Plant Microtechnique	2				BOT 102 - / P	-
BOT 222	Principles of Flowering Plant Taxonomy	3				BOT 102 - / P	-
BOT 241	Plant Ecological Factors	3				BOT 102 - / P	-
BOT 251	Cell Biology and Cytogenetics	3				BOT 102 - / P	-
BOT 272	Plant Physiology	3				BOT 102 - / P	-
Total	14						

Fifth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 211	Plant Anatomy	3				BOT 102 - / P	-
CHEM 253	Principles of Analytical Chemistry	2				-	-
BOT 254	Genetics	3				BOT 251 - / P	-
BOT 341	Ecosystem	1				BOT 241 - / P	-
BOT 345	Flora of Saudi Arabia	2				BOT 241 - / P	-
BOT 349	Ecophysiology	2				BOT 241 - / P BOT 272 - / P	
Total	13						
Sixth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 342	Phytosociology	2				BOT 345 - / P	-
BOT 346	Pollution and Environmental Protection	2				-	-
BOT 359	Population Genetics	2				BOT 254 - / P	-
BOT 373	Plant Growth and its Regulators	2				BOT 272 - / P	-
BOT 398	Research Project (1)	2			65	-	-
Total	10						
Seventh							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 492	Ecological Field Training	5			75	-	-
Total	5						
Eighth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
GEO 303	Principles of Remote Sensing	3				-	-
MBI 345	Microbial Interaction	2				MBI 140 - / P	-
BOT 384	Phycology	3				BOT 102 - / P	-
BOT 443	Ecological Methods	2				BOT 241 - / P	-
BOT 499	Research Project (2)	3			90	-	-
Total	13						
Ninth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 441	Economic Botany	2				-	-
BOT 445	Desert Ecology and its Resources	2				BOT 345 - / P	-
BOT 472	Plant Tissue Culture	2				BOT 251 - / P BOT 272 - / P	-
BOT 473	Plant Chemistry	2				BOT 272 - / P	-
BOT 495	Plant Molecular Biology	3				-	-
Total	11						

Group: Elective 1 (8)

University Requirements							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
IC 100	Studies in the Prophet's Biography	2				QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
QURN 100	The Holy Quran	2				IC 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
IC 101	Principles of Islamic Culture	2				IC 100 - / NC QURN 100 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-

University Requirements							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
IC 102	Family in Islam	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
IC 103	Islamic Economic System	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
IC 104	Islamic Political System	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
IC 105	Human Rights	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-
IC 106	Medical Jurisprudence	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 107 - / NC IC 108 - / NC IC 109 - / NC	-

University Requirements							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
IC 107	Professional Ethics	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 108 - / NC IC 109 - / NC	-
IC 108	Contemporary Issues	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 109 - / NC	-
IC 109	Women and their Developmental Role	2				IC 100 - / NC QURN 100 - / NC IC 101 - / NC IC 102 - / NC IC 103 - / NC IC 104 - / NC IC 105 - / NC IC 106 - / NC IC 107 - / NC IC 108 - / NC	-
Total	22						

Group: Elective 1 (9)

Elective							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
MBI 240	Laboratory Skills	2				MBI 140 - / P	-
MBI 250	General Virology	3				MBI 140 - / P	-
MBI 260	General Bacteriology	3				MBI 140 - / P	-
MBI 270	General Mycology	3				MBI 140 - / P	-
MBI 280	Biology of Microalgae	2				MBI 140 - / P	-
ZOOL 305	Modern Animal Taxonomy	2				ZOOL 103 - / P	-
ZOOL 373	Terrestrial Ecology	2				ZOOL 103 - / P	-
ZOOL 374	Aquatic Ecology	2				ZOOL 103 - / P	-
Total	19						

Group: Elective 2 (6)

Elective							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 263	Archegoniates	2				BOT 102 - / P	-
BOT 312	Plant Morphogenesis	2				BOT 102 - / P	-
BOT 322	Experimental Taxonomy	2				BOT 102 - / P	-
BOT 347	Plant Geography	2				BOT 102 - / P	-
BOT 379	Metabolism and Transport in Plants	2				BOT 102 - / P	-
BOT 380	Plant–Water and Soil Relations	2				BOT 102 - / P	-
BOT 447	Arid Regions Development	2				BOT 102 - / P	-
BOT 449	Natural Resources and their Management	2				BOT 102 - / P	-
BOT 456	Gene Conservation	2				BOT 102 - / P	-
BOT 457	Genetic Engineering	2				BOT 102 - / P	-
BOT 458	Ecological Genetics	2				BOT 102 - / P	-
BOT 476	Date Palm Biology	2				BOT 102 - / P	-
BOT 487	Phytoplankton	2				BOT 102 - / P	-
Total	26* P: Prerequisite C: Co-requisite L: Level as requisite G: GPA as requisite H: Credit hours as requisite						

Master's Degree

Vision	To raise the academic and research level to keep pace with scientific progress and the needs of society in the fields of botany and its applications.
Mission	Qualifying the M.Sc. students in Botany to substantial educational and research standards through an inspirational academic environment to meet the needs of KSA in all related domains.
Objectives	1. Provide high-quality, in-depth education and advanced scientific research in the fields of plant sciences and its applications. 2. Providing an innovative academic and administrative environment capable of attracting the best graduates, faculty, and researchers. 3. To promote relationships with national and international academic institutions and research centers in the fields of plant sciences. 4. To maximize the use of updated technology in education and scientific research in the fields of plant sciences.

Admission Requirements for the Master's Degree

In compliance with the regulations of the Deanship of Graduate Studies (Arabic), the applicant must meet the following:

1. Hold a bachelor's degree in Botany obtained through regular (full-time) study from King Saud University or another recognized institution, with a grade of at least "Good High" (cumulative GPA of 3.25 out of 5) or equivalent.
2. Applicants from related specializations other than Botany may be admitted with a grade of at least "Very Good" (cumulative GPA of 3.75 out of 5) or equivalent. "Applicants must contact the program to confirm whether their specialization is considered related before applying through the online admission portal."
3. Obtain a score of at least 65 in the General Aptitude Test for university graduates, or equivalent.
4. The language of instruction in the program is English.

Study Plan of the Master's Program

Group: Compulsory 1

First							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 512	Plant Surfaces	2				-	-
BOT 521	Advanced Angiosperm Taxonomy	2				-	-
BOT 541	Advanced Ecology	2				-	-
BOT 551	Advanced Genetics	2				-	-
BOT 571	Biosynthesis	2				-	-
Total	10						
Second							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 514	Applied Plant Anatomy	2				-	-
BOT 523	Field Systematics	2				-	-
BOT 543	Desertification and Conservation of Natural Resources	2				-	-
BOT 572	Plant Mineral Nutrition	3				-	-
BOT 591	Seminar	1				-	-
Total	10						
Third							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 553	Advanced Cytogenetics	3				-	-
BOT 592	Seminar	1				-	-
BOT 596	Research Proposal Preparation	1			12	-	-
Total	5						

*P: Prerequisite C: Co-requisite L: Level as requisite G: GPA as requisite H: Credit hours as requisite

Doctoral Degree

Mission	To enhance the quality of education and scientific research, and to prepare scientists and researchers of a high level of excellence who contribute to the development and service of society.
Objectives	1. Prepare promising doctoral students with advanced research skills and outstanding scientific potential to serve and develop society. 2. Rely on modern and advanced research and teaching techniques to achieve effective results. 3. Support obtaining patents and publishing original, interdisciplinary research in high-quality local and international journals. 4. Collaborate with renowned scientific institutions at local and international levels to explore scientific cooperation that serves plant research in the Kingdom of Saudi Arabia. 5. Provide advanced education and research for doctoral students in botany so that their efforts and contributions advance the national economy of the Kingdom.

Admission Requirements for the Doctoral Degree

In compliance with the regulations of the Deanship of Graduate Studies (Arabic), the applicant must meet the following:

1. Hold a master's degree in Botany or a related specialization, obtained through regular (full-time) study from King Saud University or another recognized educational institution.
2. Have a grade of at least "Very Good", with a cumulative GPA of not less than 3.75 out of 5 or equivalent, if the awarding institution grants the degree with a grade.
3. Applicants from related specializations must contact the program to confirm that their specialization is among the accepted specializations before applying through the online admission portal.

Study Plan of the Doctoral Program in Botany

Group: Compulsory 1

First							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 611	Advanced Plant Anatomy	2				-	-
BOT 641	Basic Characteristics of the Kingdom's Habitats and Plants	2				-	-
BOT 651	Gene Expression and Differentiation	2				-	-
BOT 671	Advanced Stress Physiology	2				-	-
BOT 691	Seminar	1				-	-
Total	9						
Third							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
COMP 700	Comprehensive Examination	0	3.7			18	-
Total	0						
Fourth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 699	Research Proposal Preparation	1			9	-	-
Total	1						
Fifth							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 700	Dissertation	1				BOT 699 - / P	-
Total	1						

Group: Elective 1 – the student selects (9) credit units

Second							
Code	**Course Name**	**Cr**	**G**	**L**	**H**	**Requisite**	**Yearly**
BOT 621	Advanced Experimental Taxonomy	2				-	-
BOT 642	Seed Ecology	2				-	-
BOT 652	Genetic Engineering	2				-	-
BOT 672	Advanced Studies in Plant Growth Regulators	2				-	-
BOT 673	Plant Cell Metabolism	2				-	-
BOT 674	Seed Physiology	2				-	-
BOT 692	Special Topics	3				-	-
Total	15						

*P: Prerequisite C: Co-requisite L: Level as requisite G: GPA as requisite H: Credit hours as requisite

Graduate Attributes



Career Fields for Graduates

The Botany Program prepares its graduates to work in a wide range of government, private and research sectors, drawing on the scientific, laboratory and field knowledge and skills they acquire during their studies. Career opportunities vary according to the degree, the specific specialization and the professional requirements of employers, and include the following fields:

No.	Career Field	Description
1.	Education and Training	Working in general and higher education institutions and taking part in teaching and training activities, in accordance with the approved qualifications and professional requirements.
2.	Scientific Research and Development	Working in universities, research centers and institutes, and laboratories specializing in plant sciences, biodiversity, the environment and biotechnology.
3.	Environmental Protection and Biodiversity	Working with agencies concerned with protecting the environment and conserving vegetation cover, monitoring biodiversity and rehabilitating degraded ecosystems.
4.	Nature Reserves and Plant Resource Management	Taking part in botanical surveys, species inventory and documentation, monitoring of plant communities and management of plant resources in protected areas and natural sites.
5.	Agriculture and Plant Production	Working in agricultural institutions, nurseries and plant propagation centers, and contributing to improving plant production and developing sustainable agricultural practices.
6.	Plant Biotechnology	Working in laboratories specializing in plant tissue culture, molecular and genetic techniques, and biotechnology applications in agriculture and the environment.
7.	Laboratories and Scientific Analysis	Working in plant, environmental and quality-control laboratories and carrying out scientific analyses and tests related to the specialization, in accordance with professional qualification and licensing requirements.
8.	Herbaria, Botanical Gardens and Seed Banks	Collecting, preserving, documenting and classifying plant specimens, managing plant collections and contributing to programs for conserving plant genetic resources.
9.	Environmental Consultancy and Studies	Contributing to environmental studies and reports, assessing the status of vegetation cover, monitoring the environmental impacts of projects and providing scientific support to the relevant authorities.

No.	Career Field	Description
10.	Plant-Resource-Based Industries	Working in the fields of medicinal and aromatic plants and natural plant products, including research, development and quality control in related industries.
11.	Environmental Project and Initiative Management	Planning, implementing and monitoring afforestation, vegetation restoration, environmental sustainability and natural-resource conservation projects.
12.	Entrepreneurship and Specialized Ventures	Establishing or developing ventures in nurseries and plant propagation, biotechnology, environmental services and scientific consultancy, in accordance with the approved regulations and licenses.

Department Facilities

Laboratories

The Department has more than 20 teaching laboratories and 28 specialized research laboratories equipped with many modern instruments, in addition to several lecture rooms.



Specialized Research Units

1. The Central Research Laboratory

The Department's Central Laboratory houses a range of instruments that all researchers in the Department and others can benefit from. A team of specialists operates these instruments and carries out analyses for the research projects of undergraduate students, graduate students and faculty members, as well as for community service. The laboratory is supervised by a specialized committee.



2-

General objectives of the laboratory

1- Establishing independent units for developing biotechnologies.

2- Raising the level of scientific research of graduate students.

3- Preparing students to keep pace with the labor market.

4- Localizing modern biotechnologies.

Services provided by the laboratory

1- Providing major equipment to support research in the Department.

2- Providing a venue for conducting various tests.

3- Training students on the laboratory's equipment.

4- Providing communication links with most local and international centers.

2- Tissue Culture and Virus Isolation Unit



3- Microscopic Preparations Unit

The Microscopic Preparations Unit serves undergraduate students by preparing the slides studied in some courses. The service also extends to graduate students, whose study samples can be prepared, and to faculty members, for whom all the microscopic preparations needed for their research are carried out.



Cryostat – instrument for sectioning frozen specimens

Student Training Unit

Student training is a fundamental pillar of the Department of Botany and Microbiology. It aims to complete the educational and academic process, prepare students to obtain suitable positions in the workplace, and connect them with the labor market through training pathways supervised by specialists. The training stage represents the outcome of all years of study, linking theoretical knowledge with practical application to real cases in a genuine working environment in preparation for professional practice.

Therefore, it has become necessary to develop the Department's training system to achieve the goals entrusted to it in the strategic plans of the College of Science and King Saud University: achieving excellence and contributing effectively to building the knowledge society that drives the Kingdom's progress. Aligning training programs with internationally recognized practices and with the needs of society and the labor market is essential to ensure the quality of the final outcome – distinguished and highly qualified national cadres.

Vision of the Unit: Leadership and excellence in providing training services to the Department's students and staff.

Mission of the Unit: Developing laboratory and technical skills through high-quality training programs that increase the competitiveness of trainees and contribute to developing and raising performance efficiency.

Objectives of the Unit:

The Unit seeks to achieve a number of objectives, including:

1. Meeting the training needs of the Department's students in the various specializations.
2. Meeting the training-course needs of the Department's affiliates.
3. Developing training plans for all target groups inside and outside the Department.
4. Implementing and evaluating training courses in coordination with the University's Deanship of Skills Development.
5. Transferring expertise, exchanging consultations, and developing trainees' technical skills.
6. Preparing highly competent national student cadres to keep pace with continuous changes in the labor market.
7. Coordinating work to make the best use of the training laboratories of the College of Science.
8. Achieving community partnership and serving the community.

The Herbarium

The Herbarium was established in 1385 AH and was registered in the international records of herbaria in 1409 AH. The Herbarium of the Department of Botany and Microbiology holds about four thousand dried specimens of the Kingdom's plants, each identified by its scientific name and family, together with the locality and date of collection. The Herbarium has collected about 5,000 species of flowering plants so far. Together with the Flora book authored by College faculty members, the Herbarium is an important record and reference for the plants of the Kingdom.



The Botanical Garden

The Botanical Garden was established in 1413 AH on the university campus. It contains more than 100 wild species, planting beds, greenhouses, a water pond and a seed store.



The University established this botanical garden in the Department of Botany and Microbiology, College of Science. It aims to introduce the various plants of the Kingdom – edible, medicinal, pastoral, aromatic and poisonous – to conserve endangered desert plants, and to give researchers and specialists the opportunity to obtain plant specimens and seeds for specialized scientific research throughout the year.

Some may not realize that wild plants can be used as ornamental plants to beautify gardens and public parks, thanks to their varied forms, beautiful flowers and fragrant scent. Moreover, they are adapted to the Kingdom's environmental conditions of the Kingdom, which other plants cannot tolerate.

University Units within the Department

Saudi Biological Society

The Saudi Biological Society was established in 1395 AH (1975 CE) and was the first scientific society to be founded in the Kingdom of Saudi Arabia. It was honored with the honorary presidency of His Royal Highness Prince Sultan bin Abdulaziz, Crown Prince, Deputy Prime Minister, Minister of Defense and Aviation, and Inspector General, and it is based at King Saud University. The University oversees the fulfillment of the Society's mission and supports it financially and morally; the Society reports directly to His Excellency the President of the University, and its membership is open to scientists and researchers in the life sciences, particularly Saudi nationals.

Board of Directors:

President of the Society: Prof. Dr. Ibrahim bin Abdul Wahid Arif

Vice-President of the Society: Prof. Dr. Samira Omar Saeed Bafeel

Treasurer of the Society: Prof. Dr. Ali bin Hassan Abdul Rahman Bahkali

For more about the Society, its objectives and its main activities, scan the code.

Research Chairs

Prince Sultan Research Chair for Environment and Wildlife



Reflecting the interest of His Royal Highness the late Prince Sultan bin Abdulaziz in the local environment and its natural components, and his well-known support and patronage of all activities aimed at conserving the environment and local wildlife, His Royal Highness approved, on 23 Jumada I 1428 AH (9 June 2007), the establishment and funding of the Prince Sultan Research Chair for Environment and Wildlife at King Saud University.

Objectives of the Chair

The most important objectives of the Chair are to carry out priority studies and research on conserving the environment and wildlife; to strengthen communication and scientific cooperation among specialists in environmental and wildlife sciences; to contribute to the education and training of qualified cadres in the fields of environment and wildlife; to provide expertise and advice to relevant government and private bodies concerned with the environment and wildlife conservation; and to build lasting bridges with reputable scientific institutions worldwide by regularly hosting some of their scientists to take part in research programs at Saudi universities.

Technical Committee overseeing the Chair:

Supervisor: Prof. Dr. Ibrahim bin Abdul Wahid Arif

Member: Prof. Dr. Ali bin Abdullah Al-Humaidan

Member: Prof. Dr. Ahmed bin Hamad Al-Farhan

Diriyah Research Chair for Environmental Studies



The Diriyah Research Chair for Environmental Studies was established at King Saud University on 25/4/1431 AH. The Chair focuses on Diriyah's environment from the perspectives of environmental engineering and environmental sciences. Its vision is to lead environmental programs locally and globally and achieve a model eco-city, and its mission is to create a clean environment for sustainable development. The Chair achieves its objectives by identifying the environmental issues of Diriyah, surveying its environmental assets, preparing and implementing applied environmental programs, conducting research and studies on environmental issues, establishing and documenting a database of Diriyah's environmental issues, organizing workshops and awareness programs, attracting experts from similar environments around the world, transferring technology and training graduate students in environmental fields, providing scientific consultancy to government and private bodies in environmental matters, and encouraging research on environmental issues by funding selected environmental research projects.

Chair Supervisor: Prof. Dr. Nayef bin Abdullah Al-Dhabi

Chair Sponsor: His Highness Prince Ahmed bin Abdullah Al Saud, Governor of Diriyah

Chair of Climate Change Research, Environment Development and Vegetation Cover



The Kingdom of Saudi Arabia attaches the utmost importance to protecting and preserving the environment. Saudi Vision 2030 states that preserving our environment and its natural components is one of our religious, moral, and humanitarian duties; one of our responsibilities to future generations; and an essential element of our quality of life. Building on these national principles, the Chair was established at King Saud University to address climate change and its effects on many environmental components, including the Kingdom of Saudi Arabia's vegetation cover. It contributes to achieving this promising vision by conducting scientific research, contributing to environmental awareness, raising awareness of conserving vegetation cover as one of the most important biological components that help address the consequences of climate change, and by participating in scientific meetings at international forums to strengthen the Kingdom’s pivotal role in the environmental field, to which the world and all international research and academic bodies now give clear attention.

Chair Supervisor: Dr. Asmaa Abdul Karim Al-Haqil

Important Links for Students

Entity	Link	QR Code
Deanship of Library Affairs	library.ksu.edu.sa/en	
Deanship of Student Affairs	sa.ksu.edu.sa/en	
Deanship of Graduate Studies	graduatestudies.ksu.edu.sa/en	
Deanship of Admission and Registration	dar.ksu.edu.sa/en	
College of Science – Vice Deanship for Educational and Academic Affairs	sciences.ksu.edu.sa/en/node/99	
College of Science – Vice Deanship for Graduate Studies	sciences.ksu.edu.sa/en/node/95	
Department of Botany and Microbiology	sciences.ksu.edu.sa/en/node/115	
Academic System Portal (EduGate)	edugate.ksu.edu.sa/ksu/ui/home.faces	
Charter of University Student Rights and Obligations	sa.ksu.edu.sa/en/node/3399	
Student Clubs	sa.ksu.edu.sa/en/Students-Clubs	
University Guidance and Counseling Center	sa.ksu.edu.sa/en/ccg	
Drop and Add Services	dar.ksu.edu.sa/en/node/327	
Alumni Center	alumni.ksu.edu.sa/en	

Contact Information

Entity / Service	Contact Details	QR Code
Head of Department Office – Tel.	0114675834	—
Head of Department Office – Fax	0114675833	—
Secretariat	0114675835	—
Department E-mail	HBOTMIC@KSU.EDU.SA	
Department Registrar	0114675813	—
Female Students' Branch		
Female Branch – Tel.	0118056659	—
Female Branch E-mail	BOTANDMIC@KSU.EDU.SA	
Address and Website		
Postal Address	King Saud University, College of Science, Department of Botany and Microbiology, P.O. Box 2455, Riyadh 11451	—
Department Website	https://sciences.ksu.edu.sa/en/node/115	
Location of the Department	College of Science – King Saud University	—
Location of the Female Branch	Female University Campus – College of Science	—