



TRAINING ON ENVIRONMENTAL ASPECTS OF SUSTAINABILITY



The University of Tabuk is strongly committed to environmental sustainability and climate action. The institution provides dedicated training on the environmental aspects of sustainability through multiple channels, including academic programs, professional workshops, and research initiatives. These initiatives aim to equip students and staff with the knowledge, skills, and competencies required to contribute effectively to sustainable development, environmental protection, and the national and regional sustainability agenda.

Academic Programs:

1. Faculty of Science

1.1 Master's in Biodiversity

Program Mission:

To prepare a qualified and skilled cadre in the field of biological diversity and conservation through an academic environment supportive of scientific research and community service.

Program Goals:

- Develop a stimulating and supportive academic environment that meets the beneficiary's needs.
- Prepare qualified, distinguished, and professional cadres with the knowledge and skills needed in biodiversity and conservation to meet the demands of the local and national labor market.
- Equip graduates with skills in research, experimentation, observation, data analysis, and strategic planning across various fields of biological diversity and conservation.
- Contribute effectively in community service through active partnerships and participation that promote awareness of the importance of biodiversity.

Program Details:

- <https://www.ut.edu.sa/faculty-of-science/study/academic-programs/environmental-sustainability>
- [M.S. biodiversity program specification](#)

1.2 Bachelor of Science in Sustainable Food Systems

Program Mission:

Qualifying human cadres in the fields of food security and sustainable food systems, through quality in education, scientific research, and community service, in a manner that meets the needs of the present without compromising the ability of future generations to meet their own needs emphasizing technological innovation and public policy, in alignment with the Saudi Vision goals 2030 and development projects in the region.

Program Goals:

- Qualify students with the knowledge and skills needed to contribute to creating a food economy that integrates sustainable economic development, land management, food security, environmental protection, Biodiversity and climate change resiliency with community health and well-being and fostering interdisciplinary collaboration.
- Reinforcement of the Faculty of Science at the University of Tabuk's role in meeting the labour market needs and aligning the outputs with the Saudi SDGs, consistent with Saudi Vision 2030 and development projects and enhancing international cooperation in research and educational initiatives.
- Contribute to solving local food systems' challenges and creating a more sustainable food future through specialized applied research and community services and fostering global partnerships.
- Reinforce local food systems and seek to achieve food self-sufficiency, all the way to contribute to global food security while promoting resilience against food market volatility

Program Details:

- <https://www.ut.edu.sa/faculty-of-science/study/academic-programs/k>
- [ProSpeci SustainableFoodSystems](#)

1.3 Bachelor of Science in Plant Science and Technology

Program Mission:

Providing a distinguished academic program that keeps pace with scientific progress in plant sciences and technologies to prepare competent graduates that make advancements in food production through working in the horticultural crop production sector, qualified with the knowledge and skills that meet the needs of the labor market, support innovation and scientific research, enhance the sustainability of the region's resources, and contribute to solving societal issues, in line with the goals of Saudi Vision 2030 and development projects.

Program Goals:

- Qualify distinguished graduates equipped with modern knowledge and skills in plant biology fields that meet the needs of local mega projects and other related industrial sectors to contribute to the Kingdom's Vision 2030 goal of lowering the unemployment rate.
- Train students in modern plant science and agricultural management techniques and twenty-first-century skills related to horticultural crop production in open-field and enclosed environments through curricular and extracurricular courses and activities.
- Offer an integrative academic environment for learning that focuses on enhancing knowledge, skills, and creativity and fosters life-long learning.
- Develop community partnerships to apply scientific knowledge in raising societal awareness about the critical role that plant preservation plays in attaining environmental sustainability.
- Strengthening student scientific research and innovation skills in fields of plant biology to support the educational process and contribute to solving community issues.

Program Details:

- <https://www.ut.edu.sa/faculty-of-science/study/academic-programs/w>
- [ProgSpeci Plant Sciences &Tech](#)

1.4 Sustainability-Focused Courses Across Undergraduate Programs

The Faculty of Science has integrated sustainability-focused courses into all undergraduate programs to align with SDGs and promote environmental literacy:

Course Code	Course Title	Relevant SDGs	Key Contribution
BIO 1201	Principles of Environmental Sustainability	SDG 4: Quality Education, SDG 13: Climate Action	Provides foundational sustainability knowledge, fosters environmental awareness, and supports climate literacy.
BIO 1208	Biodiversity	SDG 15: Life on Land, SDG 14: Life Below Water	Highlights the importance of conserving biodiversity and protecting terrestrial and marine ecosystems.
PHYS 1206	Natural Resources	SDG 12: Responsible Consumption and Production, SDG 7: Affordable and Clean Energy	Focuses on sustainable management of natural resources and efficient use of energy and materials.

Details:

- [Sustainability-Focused Courses Across Undergraduate Programs at the Faculty of Science](#)

2. Faculty of Art and Design

Programs such as **Fashion Design** and **Interior Design** integrate sustainability courses:

Course Name	Course Code	Credit Hours
Sustainability in Fashion and Textiles	ADFT1203	3
Sustainability in Interior Design	ADID1401	3
Green Building Systems	ADID1408	3

Details:

- [Study Plans of the Faculty of Arts and Design](#)
- <https://www.ut.edu.sa/faculty-of-art-and-design>

3. Faculty of Engineering

3.1 Master's in engineering management

Program Mission:

Master of Engineering Management program delivers interdisciplinary education combining engineering and management, supports applied research addressing industrial and societal problems, engages in community service, meets the needs of society and promotes ethical leadership, innovation, and lifelong professional growth.

Program Goals:

- Provide advanced education that integrates engineering and management, preparing graduates to lead and manage complex projects and teams.
- Promote applied research that addresses practical challenges in industries and communities.
- Encourage ethical leadership, innovation, and continuous professional growth among graduates to serve community.
- Develop professional capabilities that enable graduates to contribute to the development of the local and global economy.

Course Name	Course Code	Credit Hours
Sustainable Design Engineering	EMEN 551	3

Program Details:

- <https://www.ut.edu.sa/faculty-of-engineering/study/academic-programs/engineering-management>

3.2 Bachelor's Degree in Civil Engineering

Program Mission:

To contribute to meeting the needs of society in the Tabuk region and the Kingdom of Saudi Arabia by offering a high-quality educational program and supporting scientific research in the fields of civil engineering.

Program Goals:

- Graduate qualified civil engineers who possess the essential skills and knowledge to understand and keep pace with modern trends in civil engineering.
- Establish the program as a source of engineering expertise in civil engineering, particularly in analyzing engineering problems and developing appropriate solutions.
- Prepare graduates of the Civil Engineering program to successfully pursue postgraduate studies at reputable universities.
- Graduate a generation of civil engineers capable of effectively contributing to the achievement of the objectives of Saudi Vision 2030.

Course Name	Course Code	Credit Hours
Environmental Engineering	CIEN1404	4
Water and Wastewater Engineering	CIEN1408	4
Improvements of soil properties	CIEN1416	3
Green Construction Technologies	CIEN1420	3
Advanced environmental engineering	CIEN1426	3
Solid and Hazardous Waste	CIEN1427	3
Water Resources Engineering	CIEN1433	3

Program Details:

- <https://www.ut.edu.sa/faculty-of-engineering/study/academic-programs/civil-engineering>

3.3 Bachelor's Degree in Electrical Engineering

Program Mission:

We strive to provide comprehensive education in the field of electrical engineering that equips students with technical and professional skills, instills ethical values and good conduct, and motivates and prepares them to engage in scientific research and community service.

Program Goals:

- Pursuing continuous professional development.
- Developing effective solutions to practical problems in the Kingdom of Saudi Arabia and the surrounding region.
- Collaborating and communicating effectively as members of industrial and research teams.
- Becoming ethical, responsible professionals and leaders.

Program Details:

- <https://www.ut.edu.sa/faculty-of-engineering/study/academic-programs/electrical-engineering>

3.4 Bachelor's Degree in Mechanical Engineering

Program Mission:

To provide high-quality education in mechanical engineering to prepare professionally qualified engineers in the fields of energy engineering, thermodynamics and fluids, mechanical systems and design, engineering materials and manufacturing, and mechatronics and control, while promoting excellence, ethics, and community service.

Program Goals:

- Provide distinguished academic education in mechanical engineering aligned with labor market requirements.
- Achieve leadership in scientific research to contribute to enriching the knowledge base and the economy in the field of mechanical engineering.
- Promote sustainability and societal impact through effective mechanical engineering practices.
- Create an attractive and interactive learning environment for mechanical engineering students.

Course Name	Course Code	Credit Hours
Power and Desalination Plants	MCEN1412	3
Renewable Energy Systems	MCEN1418	3

Program Details:

- <https://www.ut.edu.sa/faculty-of-engineering/study/academic-programs/mechanical-engineering>

3.5 Bachelor's Degree in Industrial Engineering

Program Mission:

Towards creativity and excellence in industrial engineering education, conducting research in collaboration with local and regional industries, and supporting the community by providing useful services and contributing to its activities.

Program Goals:

- Provide effective solutions that add value to engineering, business, and industrial operations.
- Engage in lifelong learning and continuous professional development.
- Demonstrate professional, ethical, and leadership qualities in engineering practice.

Course Name	Course Code	Credit Hours
Power and Desalination Plants	MCEN1412	3
Renewable Energy Systems	MCEN1418	3

Program Details:

- <https://www.ut.edu.sa/faculty-of-engineering/study/academic-programs/industrial-engineering>

4. Applied College

4.1 Conservation Management: Programs focus on sustainable management of natural resources.

Program Details:

- <https://www.ut.edu.sa/the-applied-college/study/academic-programs/conservation-management>
- [Conservation Management Study Plan](#)

4.2 Wildlife Protection: Programs focus on preserving and protecting wildlife.

Program Details:

- <https://www.ut.edu.sa/the-applied-college/study/academic-programs/conservation-and-wildlife-protection>
- [Wildlife Protection Study Plan](#)

Training and Professional Development for Faculty and Staff

The University of Tabuk provides professional competency-based training for all staff members (academic and professional), with courses related to sustainability and environmental aspects according to specialization. Examples include:

- Occupational health and safety (P. 37-39)
- Wastewater systems (p. 41 & 43)
- Electrical engineering and renewable energy systems (p. 47)
- Green building projects (p.129)
- Solar energy (p.133)
- Health, safety, and infection control (p.59)

These courses contribute to enhancing staff awareness and knowledge of environmental sustainability

Link: [A General Framework for the Professional Competencies of University Staff](#)

The University of Tabuk prioritizes the development of environmental awareness and sustainability competencies among its faculty members and professional staff. Aligned with the Kingdom's Vision 2030 and the university's commitment to sustainable development, structured training programs are offered to strengthen knowledge, enhance skills, and foster the application of sustainability principles across both academic and administrative activities.

Scope and Objectives

The university's professional development initiatives aim to:

- Equip faculty and staff with practical skills to integrate sustainability concepts into teaching, research, and administrative operations.

- Promote efficient use of resources and environmentally responsible practices in day-to-day institutional processes.
- Support the continuous improvement of academic quality while encouraging innovation and sustainability in educational methods.

During the reporting period, faculty and staff participated in a total of approximately 210 hours of sustainability-focused training, focusing on modern teaching strategies, digital learning tools, and approaches that embed sustainability into the curriculum and operational practices.

Workshops and Training Programs

Many of these workshops are delivered by the Deanship of E-Learning through its professional development initiatives, including the "Itqan Program." The training covers areas such as:

- Designing innovative and sustainable learning environments.
- Utilizing educational technologies to optimize resource efficiency.
- Enhancing course design and delivery with integrated sustainability concepts.
- Supporting institutional sustainability objectives through informed decision-making and best practices.



برنامج

أتقنت التدريبي بنسخته الحادية عشرة

Blackboard Ultra		
2026-02-02	الاثنين	أساسيات البلاكورد
2026-02-04	الأربعاء	الأدوات المساندة للتعليم الإلكتروني
التصميم الجرافيكي		
2026-02-08	الأحد	تصميم واجهات المستخدم UX/UI
2026-02-10	الثلاثاء	أساسيات التصميم في Canva
2026-04-12	الأحد	تصميم الهويات البصرية
التصميم التعليمي		
2026-02-16	الاثنين	تصميم المقررات التفاعلية باستخدام storyline
الذكاء الاصطناعي في التعليم		
2026-04-06	الاثنين	أدوات الذكاء الاصطناعي في التعليم الإلكتروني
2026-04-08	الأربعاء	الرسم التخطيطي في التعليم الرقمي
الأدوات المساندة للتعليم والتعلم		
2026-04-13	الاثنين	تحليل البيانات بواسطة Power BI
2026-04-15	الأربعاء	التوثيق وإدارة المراجع البحثية



برنامج

أتقنت التدريبي بنسخته العاشرة

Blackboard Ultra		
2025-10-05	الأحد	الانطلاق في Blackboard Ultra
2025-10-06	الاثنين	أدوات القياس والتقييم في نظام Blackboard ULTRA
2025-10-07	الثلاثاء	التعامل مع نظام الفصول الافتراضية Blackboard Collaborate
2025-10-08	الأربعاء	أدوات مساندة للتعليم الإلكتروني
الأسبوع الثاني		
2025-10-12	الأحد	الذكاء الاصطناعي في التعليم
2025-10-13	الاثنين	أدوات الذكاء الاصطناعي في التعليم الإلكتروني
2025-10-14	الثلاثاء	التصميم الإبداعي بالذكاء الاصطناعي
2025-10-14	الثلاثاء	إنتاج عروض تقديمية احترافية بالذكاء الاصطناعي
الأسبوع الثالث		
2025-10-20	الاثنين	التصميم الجرافيكي
2025-10-21	الثلاثاء	أساسيات التصميم في Canva
2025-10-22	الأربعاء	مدخل إلى التصميم الاحترافي (Adobe)
2025-10-22	الأربعاء	المونتاج وصناعة الفيديو الرقمي
الأسبوع الرابع		
2025-10-27	الاثنين	التصميم التعليمي
2025-10-28	الثلاثاء	تصميم المقررات التفاعلية باستخدام Storyline
2025-10-29	الأربعاء	معايير جودة المحتوى التعليمي Quality Matters
2025-10-29	الأربعاء	تحسين تجربة المستخدم UX/UI
الأسبوع الخامس		
2025-11-03	الاثنين	الأدوات المساندة للتعليم والتعلم
2025-11-04	الثلاثاء	تحليل البيانات بواسطة Power BI
2025-11-05	الأربعاء	تصميم المواقع الإلكترونية
2025-11-05	الأربعاء	التوثيق وإدارة المراجع البحثية

ملتقى أتقنت 09 ديسمبر 2025















Faculty Training via E-Learning Platforms

The Deanship of E-Learning also provides workshops to strengthen digital teaching capabilities and the integration of sustainability in course delivery:

Table 1: Training Programs Provided to Faculty Members by the Deanship of E-Learning

Course Name	Male	Female
Blackboard Basics (Introduction to Using the Blackboard System)	60	100
Supporting Tools for Digital Education	43	45
E-Learning Services - Tayma	24	40
Getting Started with Blackboard Ultra	120	200
Introduction to the Blackboard System	100	123
Assessment and Evaluation Tools in Blackboard Ultra	95	100
Managing Virtual Classes in Blackboard Collaborate	200	200
Total	657	823

Faculty Development Programs: Quality and Academic Accreditation

The university also offers professional development courses to enhance leadership, academic quality, and research skills among faculty members. Participation by gender is summarized below:

Table 2: Training Programs for Faculty Members in the Field of Quality and Academic Accreditation

No.	Course / Program / Diploma Name	Male	Female	Total
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1	Inspirational Leadership	9	13	22
2	Executive Leadership	8	12	20
3	Strategic Leadership	13	1	14
4	Fellowship in Teaching and Learning	13	12	25
5	Quality Practitioner	15	10	25
6	Accreditation Reviewer	15	10	25
7	International Standards (ISO)	7	57	64
8	Skills Enhancement Program in Educational Process Management	181	354	535
9	Academic Report Preparation Program	147	273	420
10	Scientific Research Enhancement Program for Development and Innovation	94	226	320
11	Community Responsibility and Volunteer Work Program	56	126	182
Total		558	1094	1652

Link: <https://www.ut.edu.sa/deanship-of-quality-and-academic-accreditation>

The image displays three promotional banners for academic workshops, each with a header in Arabic and English, a central title, a QR code, and a Zoom link. The banners are for:

- Banner 1:** "يسر عمادة الجودة والاعتماد الأكاديمي دعوتكم لحضور ورشة تدريبية بعنوان المبادرات المجتمعية الجامعية من الفكرة إلى التنفيذ." (We are pleased to invite you to a training workshop titled 'University Community Initiatives from Idea to Implementation').
- Banner 2:** "يسر عمادة الجودة والاعتماد الأكاديمي دعوتكم لحضور ورشة تدريبية بعنوان إعداد تقرير المقرر الدراسي المفرد عبر منصة (معياري بلس) ضمن برنامج إعداد التقارير الأكاديمية المفصلة." (We are pleased to invite you to a training workshop titled 'Preparing Individual Course Reports via the (Meyari Plus) Platform as part of the detailed academic reporting program').
- Banner 3:** "يسر عمادة الجودة والاعتماد الأكاديمي دعوتكم لحضور ورشة تدريبية بعنوان مستويات الجاهزية التقنية (TRLs) كأداة لتمكين الابتكار وتحويل البحث العلمي نحو التطبيق." (We are pleased to invite you to a training workshop titled 'Technical Readiness Levels (TRLs) as a tool to enable innovation and convert scientific research into application').

Each banner also includes a QR code and a Zoom link for registration.

The image displays six promotional posters for training workshops at the University of Tabuk, organized by the Deanship of Quality and Academic Accreditation. The posters are arranged in a 2x3 grid. The top row features three posters, and the bottom row features three posters, with a central poster in the middle of the bottom row.

Top Row Posters:

- Left:** "الجدارات الأساسية للعام الجامعي ١٤٤٦ هـ. برنامج المسؤولية المجتمعية والعمل التطوعي". ورشة تدريبية بعنوان: "استراتيجيات متقدمة لزيادة الأثر المجتمعي: أساليب فعالة للتأثير والإسهام".
- Middle:** "الجدارات الأساسية للعام الجامعي ١٤٤٦ هـ. برنامج المسؤولية المجتمعية والعمل التطوعي". ورشة تدريبية بعنوان: "أساليب لتعزيز المشاركة في الفعاليات العالمية والمبادرات المحلية في المجال الصحي".
- Right:** "الجدارات الأساسية للعام الجامعي ١٤٤٦ هـ. برنامج تعزيز المهارات في إدارة العملية التعليمية". ورشة تدريبية بعنوان: "أساليب التقييم الفعالة: بين الأداء التعليمي وتحقيق نتائج التعلم".

Bottom Row Posters:

- Left:** "الجدارات الأساسية للعام الجامعي ١٤٤٦ هـ. برنامج تعزيز المهارات في إدارة العملية التعليمية". ورشة تدريبية بعنوان: "التدريب الميداني: استراتيجيات وآليات".
- Middle:** "يسر عمادة الجودة والاعتماد الأكاديمي دعوتكم لحضور ورشة تدريبية بعنوان: 'توظيف أدوات الذكاء الاصطناعي والمنصات الرقمية في العملية التعليمية: نحو تحسين شرح المحتوى وتطوير أساليب تقييم الطلاب.'".
- Right:** "الجدارات الأساسية للعام الجامعي ١٤٤٦ هـ. برنامج إعداد التقارير الأكاديمية". ورشة تدريبية بعنوان: "إغلاق دائرة أعمال التقرير السنوي للبرنامج".

Also, The University of Tabuk, through its colleges, offers mandatory training workshops on the environmental aspects of sustainability for faculty members and professional staff. A key example is the workshop: "Sustainable Fashion and its Impact on the Environment and Society", organized by the Faculty of Art and Design

This workshop provides participants with:

- A comprehensive understanding of the concept and principles of sustainability.
- Exposure to traditional fashion from all regions of the Kingdom and the use of heritage materials.
- Practical knowledge on recycling practices and strategies to reduce waste, encouraging sustainable practices in both professional and academic activities.
- These workshops form an integral part of the University's strategy to equip staff with the knowledge and skills necessary to integrate sustainability principles into teaching, research, and daily institutional operations.

Link: https://x.com/event_ut/status/1757800333449761040?s=48

The Faculty of Engineering also offers training workshops in the field of renewable energy. Link: https://x.com/event_ut/status/1969389658904678613?s=48

In addition to mandatory workshops, the University also organizes scientific seminars and research activities that support sustainability initiatives and provide faculty members with opportunities to engage with cutting-edge research. Examples include:

- Metagenomic Study of the Coral-Associated Microbiome in the North Area of Tabuk Region, conducted by the Plant Biodiversity and Conservation Group.

Link: https://x.com/ut_dgs/status/1914634361363722415?s=48

- Development of a Solar Panel Performance Monitoring and Automated Cleaning System, highlighting innovative renewable energy solutions.

Link: https://x.com/ut_dgs/status/1975196768452436173?s=48

- From Research to Application: Advancing the Readiness of Sustainable Green Solar Cell Arrays, focusing on practical applications of clean energy technologies.

Link: https://x.com/ut_dgs/status/1965018084617695338?s=48

These seminars, while not mandatory, serve as supporting initiatives that complement the university's training programs by enhancing faculty knowledge and engagement in sustainability-focused research and innovation.

Entrepreneurship and Sustainability Training Workshop

The University of Tabuk places great emphasis on integrating sustainability into its academic and professional development programs. As part of this commitment, the University provides mandatory training for faculty and professional staff, including courses that link entrepreneurship with environmental and social sustainability.

A key example is the course "Strategies for Establishing Profitable Projects in Sustainable Entrepreneurship", which guides participants on incorporating environmental and social considerations into business projects. This training is part of the University's broader effort to foster sustainable practices among staff and students.

No.	Courses	Faculty	Lecture Title	Faculty	Training / Workshop Title	Faculty
1	Entrepreneurship	Business Administration	Supply Chains and Modern Technologies	Engineering	Project Management	Engineering
2	Entrepreneurial Marketing	Business Administration	Role of Data in Large-scale Operations and Logistics	Engineering	Occupational Safety in Factories and Production Lines	Engineering
3	-	-	Participation in the 4th Hajj and Umrah Research Forum	Engineering	Effective Communication	Engineering
4	-	-	Lean Manufacturing	Engineering	Communication Skills	Engineering
5	-	-	Six Sigma	Engineering	Job Writing Skills	Engineering
6	-	-	Innovation and Entrepreneurship: Opportunities and Challenges	University College at Taimah	Home-based Entrepreneurship: From Small Idea to Successful Project	Business Administration
7	-	-	Exploring Career Opportunities and Skills for	University College at Al-Wajh	Smart Entrepreneurship	Business Administration

				Labor Market Readiness		
8	-	-		University Entrepreneurship Camps	Innovation and Entrepreneurship Center	Youth Entrepreneurship in Tabuk Region Business Administration
9	-	-	-			Entrepreneurship in the Health Sector Business Administration
10	-	-	-			The Five Levels of Leadership Towards Institutional Entrepreneurship Business Administration
11	-	-	-			Social Entrepreneurship: Projects Making a Difference (Workshop) Business Administration
12	-	-	-			Strategies for Establishing Profitable Projects in Sustainable Entrepreneurship Business Administration
13	-	-	-			Business Plan Model for Entrepreneurs Business Administration
14	-	-	-			Financial Feasibility Study for Projects Business Administration
15	-	-	-			Effective Marketing for Small Projects Business Administration
16	-	-	-			How to Become a Successful Entrepreneur University College at Al-Wajh
17	-	-	-			Labor Market Guidance under Vision 2030 University College at Al-Wajh

Awareness Initiatives and Lectures

A training workshop titled "Working for the Environment" aimed at enhancing environmental awareness and encouraging positive practices toward protecting our environment.

- https://x.com/dsa_ut/status/1914717768894607606?s=48
- https://x.com/dsa_ut/status/1914716060185485588?s=48

A workshop titled "Water Consumption Rationalization" was organized to raise awareness about the importance of reducing water consumption and promoting responsible water use to support sustainability.

- https://x.com/dsa_ut/status/1787544846401442012?s=48

The Department of Chemistry, as part of the Environment Week activities, organized an initiative titled "Zero-Waste College", aiming to raise environmental awareness among students and staff and promote sustainable practices such as waste reduction, recycling, and maintaining a clean campus environment.

- https://x.com/event_ut/status/1913962703804080284?s=48

To enhance environmental awareness and promote sustainable practices, the Faculty of Science organized an event titled "Science Towards Sustainable Environmental Awareness," targeting students and faculty members, with the aim of spreading environmental culture and encouraging responsible behaviors that contribute to environmental protection and sustainability.

- https://x.com/event_ut/status/1917192725314630116?s=48

The Faculty of Science organized the #Science_Day event under the theme: "Investing Knowledge to Build a Sustainable Future," aiming to enhance scientific and environmental awareness among students and faculty members and highlight the role of knowledge and research in achieving sustainable development.

- https://x.com/event_ut/status/1997598474645455349?s=48

Seminar: Species Distribution Models (SDMs) for Supporting Environmental Decision-Making in Saudi Arabia This seminar aims to highlight the importance of Species Distribution Models (SDMs) as an advanced scientific tool for predicting the distribution of living organisms and linking them to environmental factors. The seminar will present recent methodologies and practical applications of these models in Saudi Arabia, with a focus on their role in supporting environmental decision-making and national policies for biodiversity conservation, in alignment with the objectives of Saudi Vision 2030.

ندوة علمية
ضمن سلسلة التميز في الأبحاث العلمي
يتخللها نقاشات حوارية

كلية العلوم
Faculty of Science
جامعة تبوك
University of Tabuk

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العلم
البيئي

نموذج نمذجة توزيع الأنواع (Species Distribution Models-SDMs) لدعم القرارات البيئية في السعودية

يهدف هذا السمنار إلى تسليط الضوء على أهمية نمذجة توزيع الأنواع (Species Distribution Models - SDMs) كأداة علمية متقدمة للتنبؤ بتوزيع الكائنات الحية وربطها بالعوامل البيئية. ستعرض خلال السمينار أحدث المنهجيات والتطبيقات العملية لهذه النماذج في المملكة العربية السعودية، مع التركيز على استخدامها لدعم السياسات الوطنية في حماية التنوع الحيوي وتحقيق أهداف رؤية السعودية ٢٠٣٠.

عن بعد عبر
Google Meet

الحادية عشرة صباحاً

الثلاثاء ٢٠٢٥ / ١٠ / ٢١ م

مدير الحوار

د. داليا كمال النجار
أستاذ الإحصاء التطبيقي المشارك
قسم الإحصاء

المتحدث

د. رندا صالح محمد الحربي
أستاذ الإحصاء المشارك
قسم الإحصاء

كلية العلوم - وحدة العلاقات العامة والاتصال

Seminar: Nano-Biosensors for Detecting Pesticides at Low Concentrations in Agricultural Applications This seminar highlights the role of nano-biosensors in detecting pesticide residues at very low concentrations, reaching the parts-per-billion (ppb) level, due to their high sensitivity and rapid response. It also discusses their potential for field monitoring of pesticides in food, soil, and water, contributing to improved agricultural product safety and supporting sustainable agriculture through innovative and user-friendly solutions.

ندوة علمية

ضمن سلسلة التميز في الابحاث العلمي

يتخللها نقاشات حوارية

كلية العلوم

Faculty of Science



المستشعرات النانوية الحيوية للكشف عن المبيدات بتركيزات منخفضة (مستوى جزء في المليار) في التطبيقات الزراعية

تسليط الضوء على دور المستشعرات النانوية الحيوية في الكشف عن المبيدات بتركيزات منخفضة، بفضل حساسيتها العالية وسرعتها في الاستجابة، مما يتيح الرصد الميداني الفعال في الغذاء والتربة والمياه وكيفية تعزيز سلامة المنتجات الزراعية ودعم الزراعة المستدامة من خلال حلول مبتكرة وسهلة الاستخدام



عن بعد عبر
Google Meet



الحادية عشرة صباحاً



الثلاثاء ١١ / ٠٤ / ٢٠٢٥ م



مدير الحوار



د. عبدالله سويلم البلوي
أستاذ الفيزياء الحيوية المساعد
قسم الفيزياء

المتحدث



أ.د. سيد قاسم
أستاذ فيزياء النانو
قسم الفيزياء

كلية العلوم - وحدة العلاقات العامة والاتصال

Seminar: The Role of Biotechnology in Environmental Remediation: This seminar discusses the concept of the environment and the main causes of environmental pollution, while also reviewing national efforts and initiatives aimed at raising awareness about environmental protection and reducing pollution. It highlights the role of biotechnology in environmental remediation, including the use of biotechnological methods to address oil spills, agricultural and industrial waste, war-related pollutants, vehicle and aircraft emissions, and wastewater treatment, contributing to environmental protection and sustainability.

ندوة علمية

ضمن سلسلة التميز في الابحاث العلمي

يتخللها نقاشات حوارية

كلية العلوم

Faculty of Science



دور التقنية الحيوية في الاصحاح البيئي

تعريف البيئة وأسباب التلوث البيئية وخطط وجهود الدولة للتوعية بأهمية الحفاظ على البيئة وللمحد من التلوث البيئي والمحافظة عليها. ودور التقنية الحيوية في الاصحاح البيئي لتخليص البيئة من التسريبات الزيتية والمخلفات الزراعية والصناعية ومخلفات الحروب وعوادم السيارات والطائرات ووسائل النقل المختلفة والصرف الصحي.

قاعة الندوات العلمية
بكلية العلوم



الحادية عشرة صباحاً



الثلاثاء 11 / 11 / 2020م



مدير الحوار



د. هيام عطالله الواصي
أستاذة الكيمياء الحيوية المساعد
قسم الكيمياء الحيوية

المتحدث



أ.د. حداد عبدالسميع الربيعي
أستاذ الوراثة الجزيئية والمعلوماتية الحيوية
قسم الكيمياء الحيوية

كلية العلوم - وحدة العلاقات العامة والاتصال

Community Outreach Activities

The University of Tabuk, in collaboration with the King Salman Bin Abdulaziz Royal Natural Reserve Development Authority, launched the “Courtyard Planting Initiative” on the university campus, with the participation of male and female students who contributed to planting trees to enhance vegetation cover and improve the campus environment.

- https://x.com/u_tabuk/status/1990441384713576955?s=48

The University of Tabuk inaugurated the “Energy Efficiency Forum” in partnership with the Saudi Energy Efficiency Center, Japan’s Ministry of Economy, Trade and Industry, and the Japanese Energy Efficiency Center, with participation from faculty members and local and international experts in energy and sustainability.

- https://x.com/u_tabuk/status/1973401104827253140?s=48

The Faculty of Science – Department of Biology organized the “Microbial Biodiversity” event as part of community service initiatives, aiming to raise awareness of the importance of microorganisms for the environment and human health, featuring interactive displays and microscope slides to enhance attendees’ understanding and promote a sustainable future.

- https://x.com/event_ut/status/2024384451090800812?s=48

The Amalaj University College - Department of Biology organized an event for “International Day for Disaster Risk Reduction”, highlighting types of environmental disasters, their impacts and losses, and ways to prevent and mitigate them.

- https://x.com/event_ut/status/1978427064723157388?s=48

Institutional Partnerships

The University of Tabuk held a meeting with the Water Desalination Technologies Institute at King Abdulaziz City for Science and Technology (KACST) to explore collaboration in developing desalination technologies through joint research projects aimed at improving desalination efficiency and promoting water sustainability.

- https://x.com/u_tabuk/status/1891197259297042516?s=48

The President of the University of Tabuk met with the Governor of the Saline Water Conversion Corporation to strengthen research and project collaboration and visited the Innovation Center to review student projects.

- https://x.com/u_tabuk/status/1786027556052906382?s=48

The President of the University of Tabuk met with the leadership of the Research, Development, and Innovation Authority and the Ministry of Environment, Water, and Agriculture to discuss collaboration in research, development, and innovation.

- https://x.com/u_tabuk/status/1786027745207537969?s=48

Under the patronage of the Minister of Environment, Water, and Agriculture, the University of Tabuk signed two memoranda of understanding with the National Center for Wildlife Development and the National Center for Waste Management to strengthen collaboration in wildlife protection and waste management, as part of Environment Week activities.

- https://x.com/u_tabuk/status/1635926041989373955?s=48