



# SDG 12: Responsible Consumption and Production



The University of Tabuk is committed to promoting Sustainable Development Goal (SDG) 12, which focuses on ensuring sustainable consumption and production patterns. As an educational institution, the university recognizes its pivotal role in fostering responsible practices that minimize environmental impact and promote resource efficiency. Through a combination of innovative research, community engagement, and the implementation of sustainable practices on campus, the University of Tabuk strives to educate students, faculty, and the local community about the importance of responsible consumption and production

### 12.1 Research on responsible consumption and production

The University of Tabuk contributes to Sustainable Development Goal (SDG) 12, which focuses on responsible consumption and production, through its extensive research output in this area. Notable examples of this research include:

- **Al-Ghamdi, S.A., Darwish, A.A.A., Hamdalla, T.A., Pasha, A., Elnair, M.E., Al-Atawi, A. and Khasim, S., 2023.** Biological synthesis of novel carbon quantum dots using Halimeda opuntia green algae with improved optical properties and electrochemical performance for possible energy storage applications. International Journal of Electrochemical Science, 18(5), p.100102.
- **Tariq, A., Ullah, I., Sardans, J., Graciano, C., Mussarat, S., Ullah, A., Zeng, F., Wang, W., Al-Bakre, D.A., Ahmed, Z. and Ali, S., 2023.** Strigolactones can be a potential tool to fight environmental stresses in arid lands. Environmental Research, 229, p.115966.
- **Ogiemwonyi, O., Alam, M.N., Alshareef, R., Alsolamy, M., Azizan, N.A. and Mat, N., 2023.** Environmental factors affecting green purchase behaviors of the consumers: Mediating role of environmental attitude. Cleaner Environmental Systems, 10, p.100130.

## 12.2 Operational measures

### 12.2.1 Ethical sourcing policy

There is a memorandum of understanding between the University of Tabuk and the food production sector at NEOM (file: Partnership Agreements 1 & 2; Red Sea global UT collaboration). The university also adheres to safety rules for nutrition services (see: Safety rules guide page 9-10)

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Pages/default.aspx>

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%202.pdf>

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%201.pdf>

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Red%20Sea%20globe%20UT%20collaboration.pdf>

<https://www.ut.edu.sa/ar/administration/Agency/Occupational-Safety-Health-Administration/Pages/default.aspx>

<https://www.ut.edu.sa/ar/administration/Agency/Occupational-Safety-Health-Administration/Documents/%D8%AF%D9%84%D9%8A%D9%84%D9%82%D9%88%D8%A7%D8%B9%D8%AF%20%D8%A7%D9%84%D8%B3%D9%84%D8%A7%D9%85%D8%A9.pdf>

### 12.2.2 Policy waste disposal - hazardous materials

There is a memorandum of understanding between the University of Tabuk and the National Center for Waste Management (Page 6).

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%202.pdf>

The University of Tabuk is committed to a policy on waste disposal - Covering hazardous materials (Safety rules guide & Guide to safety rules in laboratories)

<https://www.ut.edu.sa/ar/administration/Agency/Occupational-Safety-Health-Administration/Documents/%D8%AF%D9%84%D9%8A%D9%84%20%D9%82%D9%88%D8%A7%D8%B9%D8%AF%20%D8%A7%D9%84%D8%B3%D9%84%D8%A7%D9%85%D8%A9.pdf>

<https://www.ut.edu.sa/ar/administration/Agency/Occupational-Safety-Health-Administration/Documents/%D8%AF%D9%84%D9%8A%D9%84%20%D8%A7%D9%84%D8%B3%D9%84%D8%A7%D9%85%D8%A9%20%D8%A8%D8%A7%D9%84%D9%85%D8%B9%D8%A7%D9%85%D9%84%20%D9%88%D8%A7%D9%84%D9%85%D8%AE%D8%AA%D8%A8%D8%B1%D8%A7%D8%AA.pdf>

#### 12.2.4 Policy waste disposal - landfill policy

There is a Standing Committee for the Disposal of Chemicals and Medical Waste.

أولاً: تحديد لتشكيل " اللجنة الدائمة للتخلص من المواد الكيميائية والمخلفات الطبية بالجامعة " على النحو التالي:	
رئيساً	(1) المشرف العام على الإدارة العامة للخدمات التعليمية
عضواً	(2) نائب المشرف العام على الإدارة العامة للخدمات التعليمية
عضواً	(3) د. عمر بن مطلق الولي
عضواً	(4) د. أمينة بنت سعود العتيبي
عضواً	(5) د. زياد بن محمد الحريمي
عضواً	(6) مدير الإدارة العامة للخدمات التعليمية
عضواً	(7) مدير إدارة العقود والمشتريات
عضواً	(8) مدير إدارة المستودعات
عضواً	(9) مدير الإدارة الطبية
عضواً ومقرراً	(10) مدير إدارة السلامة والصحة المهنية

ثانياً: تنويع اللجنة المهام التالية:

- إعداد الخطة الاستراتيجية لوحدة المحافظة الإطبيبجية للتدريب الطبي والمهاترات التخصصية.
- مراجعة احتياجات الطاقم الصحية المتوفرة بالمحافظة السورية حسب برامج الطاقم المتخصص.
- مراجعة التراخيص المحلية والإقليمية المقدمة من الجهات الراغبة في الاستفادة من خدمات الوحدة.
- إعداد وسياسة البرامج التدريبية المدفوعة للعاملين بالقطاع الصحي.
- مراجعة خطة التطويرية للبرامج المقدمة من الوحدة ويشمل ذلك برامج الإمتاح التقني الراوي (BLS) والتقدم (ACLS).

تتولى اللجنة أعمالها لمدة عام اعتباراً من تاريخ صدور هذا القرار. وأيضاً: ترفع اللجنة تقارير اجتماعاتها إلى رئيس الجامعة لاستعراضها. خصوصاً: تعامل هذه اللجنة معاملة الشبان الدائمة بالجامعة. مخلصاً على جميع الجهات ذات العلاقة العمل بوجهة واتفاق. والله الموفق ...

There is a memorandum of understanding between the University of Tabuk and the National Center for Waste Management (page 6)

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%202.pdf>

The University of Tabuk is committed to a policy on waste disposal, measuring the amount of waste sent to landfill and recycled (see Safety rules guide page 9 & Guide to safety rules in laboratories page 23-9)

<https://www.ut.edu.sa/ar/administration/Agency/Occupational-Safety-Health-Administration/Documents/%D8%AF%D9%84%D9%8A%D9%84%20%D9%82%D9%88%D8%A7%D8%B9%D8%AF%20%D8%A7%D9%84%D8%B3%D9%84%D8%A7%D9%85%D8%A9.pdf>

<https://www.ut.edu.sa/ar/administration/Agency/Occupational-Safety-Health-Administration/Documents/%D8%AF%D9%84%D9%8A%D9%84%20%D8%A7%D9%84%D8%B3%D9%84%D8%A7%D9%85%D8%A9%20%D8%A8%D8%A7%D9%84%D9%85%D8%B9%D8%A7%D9%85%D9%84%20%D9%88%D8%A7%D9%84%D9%85%D8%AE%D8%AA%D8%A8%D8%B1%D8%A7%D8%AA.pdf>

#### 12.2.5 Policy for minimisation of plastic

There is a memorandum of understanding with the Center for Waste Management that aims to foster collaboration in waste treatment, including initiatives focused on plastic waste management (page 6).

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%202.pdf>

#### 12.2.5 Policy for minimisation of disposable items

The university has established policies aimed at minimizing the use of disposable items. This initiative is reinforced by a memorandum of understanding with the Center for Waste Management, which focuses on collaborating in waste treatment and management (page 6).

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%202.pdf>



### 12.2.6 Disposable policy: extensions to services

The University of Tabuk is committed to sustainability and responsible practices, actively working to extend its disposable policies to outsourced services and the supply chain.

The university collaborates with various NGOs and government bodies to enhance our sustainability efforts and participate in research initiatives focused on waste reduction.

Through these actions, the University of Tabuk is dedicated to ensuring that our disposable policies not only apply within our campus but also extend to our outsourced services and the wider supply chain, contributing positively to the research community and the environment

<https://www.ut.edu.sa/ar/administration/vrgssr/Partnerships-and-International/Documents/Partnership%20Agreements%202.pdf>

### 12.2.7 Minimisation policies extended to suppliers

The University of Tabuk is dedicated to implementing robust minimization policies that extend to our suppliers and the entire supply chain. We focus on ensuring that our commitment to sustainability is reflected not only on campus but also in our partnerships with suppliers of equipment, stationery, and building contracts.

## 12.3 Proportion of recycled waste

### 12.3.1 Waste tracking

The University of Tabuk is committed to understanding and minimizing its environmental impact by measuring the amount of waste generated across the campus. We employ several strategies to achieve this:

We conduct regular comprehensive waste audits to assess both the quantity and types of waste produced, identifying key sources and evaluating disposal practices. Additionally, we utilize waste tracking systems to systematically record and analyze waste data, allowing us to monitor trends over time.

Collaboration with local waste management services further enhances our waste measurement efforts, as we gather accurate data on the waste collected from our facilities.

To promote sustainability, we run education and awareness programs that engage faculty, staff, and students in waste reduction initiatives, encouraging participation in accurate waste reporting.

The image shows two promotional posters. The left poster is for a scientific seminar titled "Smart Waste Management: Application of Artificial Intelligence and Machine Learning in Waste Management" by Dr. Abderrahim Lakhout. It includes details about the project number (5-1443-8104), the research identity (Environmental Technology), and the target group (Faculty members and Postgraduate students). The seminar is scheduled for Tuesday, 29-8-2023, from 08:00 PM to 08:00 PM. The right poster is for a workshop titled "إدارة النفايات وتدويرها" (Waste Management and Recycling) presented by Dr. Othman bin Mohamed Hashim. It includes a QR code and details about the workshop's focus on defining waste types and their management, and the participation of students in the recycling process. The workshop is scheduled for Wednesday, 1444/7/2, from 2:00 PM to 4:00 PM.