LIAQUAT UNIVERSITY

OF MEDICAL & HEALTH SCIENCES
JAMSHORO



SDG 15

LIFE ON LAND

Protect • Restore • Sustain







LUMHS' Commitment for Thriving Biodiversity and a Greener Campus

- Conserve Our Trees
- Protect Wildlife
- Promote Green Spaces
- Build a Sustainable Future

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LUMHS Contribution to SDG 15: Life on Land

Liaquat University of Medical & Health Sciences (LUMHS) recognizes the importance of protecting terrestrial ecosystems, conserving biodiversity, and promoting sustainable land management as essential elements of environmental sustainability. The University demonstrates its commitment to United Nations Sustainable Development Goal 15 (Life on Land) through continuous plantation drives, campus greening initiatives, tree conservation, and efforts to promote a healthy and sustainable natural environment. LUMHS undertakes plantation activities throughout the year as part of its Clean and Green Campus initiative, encouraging students, faculty, and staff to participate in increasing tree cover, enhancing green spaces, and fostering environmental responsibility. With its extensive campus landscape, the University promotes the ecological value of trees and vegetation in improving air quality, supporting biodiversity, reducing the impacts of climate change, and creating a healthier environment. Through these ongoing initiatives, LUMHS integrates environmental stewardship into its institutional practices and encourages collective responsibility for protecting natural resources and preserving terrestrial ecosystems for future generations.

Earth Day Observance and Tree Plantation Drive

On **22 April 2025**, the Department of Community Medicine, Liaquat University of Medical & Health Sciences (LUMHS), participated in an **Earth Day Observance and Tree Plantation Drive** organized by the **Archroma Jamshoro Site in collaboration with Cadet College Petaro**. The activity brought together representatives from the environmental sector, educational institutions, industry, and public health. Teams from the **Sindh Environmental Protection Agency (SEPA), District Jamshoro, and the Department of Community Medicine, LUMHS** participated in the event. The initiative provided a practical platform for promoting environmental responsibility, community participation, biodiversity conservation, and awareness of the relationship between environmental sustainability and human health.

Tree Plantation Activity

As part of the Earth Day observance, approximately **400 indigenous trees** were planted during a single plantation drive.

Cadets and students actively participated in planting the trees, making the activity an important educational and community-engagement exercise. The use of indigenous trees supports the importance of selecting species suited to local environmental conditions and contributes to longer-term ecological sustainability.

The plantation activity also provided an opportunity for young people to actively participate in environmental conservation rather than limiting environmental education to classroom-based awareness.

Objectives

The major objectives of the activity were to:

- Promote environmental awareness and responsibility.
- Increase tree cover through plantation of indigenous species.
- Encourage students and young people to participate in environmental conservation.
- Promote collaboration between educational institutions, government agencies, industry, and the community.
- Highlight the relationship between environmental sustainability and human health.
- Encourage collective action in response to environmental challenges.
- Promote the principles of Earth Day through practical environmental action.

Education and Youth Engagement

An important feature of the activity was the active participation of **cadets and students** in the plantation drive. Their involvement transformed the event into an experiential learning opportunity.

Through direct participation, students were able to develop greater awareness of:

- Environmental conservation
- Climate responsibility
- Biodiversity
- Sustainable resource management
- Community participation
- The relationship between environmental sustainability and human health

Such activities complement formal education by enabling students to translate environmental knowledge into practical action.

Cross-Sectoral Collaboration

The Earth Day plantation drive demonstrated the value of **cross-sectoral collaboration** in addressing environmental and sustainability challenges.

The participation of:

- **Archroma Jamshoro Site** – industry sector
- **Cadet College Petaro** – education sector
- **SEPA** – environmental regulatory sector
- **District Jamshoro** – public administration
- **Department of Community Medicine, LUMHS** – higher education and public health sector

LUMHS created a collaborative platform for environmental action and community engagement.

This partnership model demonstrates how universities can work with government agencies, educational institutions, industry, and communities to advance the SDGs.

Public Health and Environmental Sustainability

The participation of the **Department of Community Medicine, LUMHS** highlighted the important connection between environmental sustainability and public health.

Environmental conditions influence community health, and initiatives that promote green spaces, ecological conservation, environmental awareness, and climate resilience can contribute to healthier communities. The activity therefore provided an opportunity to integrate **environmental protection with public health awareness**.

Institutional Contribution of LUMHS

Through participation in the Earth Day observance, LUMHS demonstrated its commitment to:

- Environmental sustainability
- Community engagement
- Public health promotion
- Student learning and volunteerism
- Climate and biodiversity awareness
- Cross-sectoral partnerships
- Implementation of the Sustainable Development Goals

The participation of the Department of Community Medicine further reflects LUMHS's approach to connecting academic expertise with practical community and environmental initiatives.

Expected Long-Term Impact

The plantation of approximately **400 indigenous trees** provides the foundation for longer-term environmental benefits, subject to appropriate maintenance and survival of the planted trees.The initiative is also expected to contribute to continued environmental awareness among participating students and cadets, encouraging them to become advocates for sustainable practices within their institutions and communities.

Conclusion

The **Earth Day Observance and Plantation Drive held on 22 April 2025 at Cadet College Petaro** was a meaningful example of collaborative environmental action. Approximately **400 indigenous trees were planted**, with active participation from cadets and students.The involvement of **Archroma, Cadet College Petaro, SEPA, District Jamshoro, and the Department of Community Medicine, LUMHS** demonstrated the potential of cross-sector partnerships to translate sustainability commitments into practical action.






TCF SCHOOL
CHINOY CAMPUS
EARTH DAY
"Our Power, Our Planet"


EARTH DAY
"Our Power, Our Planet"

Clean, Green, and Smoke-Free LUMHS

LUMHS enforces a campus-wide ban on smoking and tobacco use in accordance with HEC directives, protecting the health of all who study, work, and receive care on its premises. Regular monitoring and policy updates ensure continued effectiveness and alignment with SDG 3. Complementing this, the University has undertaken a green campus initiative of tree planting, landscaping, and gardening, with air-purifying and oxygen-enriching plant species, to improve air quality, reduce carbon emissions, and increase biodiversity, supporting SDGs 11, 12, and 13.




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SMOKE FREE CAMPUS
worth
cigarette
NO



LUMHS Plantation Drive: Promoting a Clean and Green Campus

Liaquat University of Medical & Health Sciences (LUMHS) actively promotes environmental sustainability through year-round plantation drives across its campus. These initiatives are undertaken throughout the year to enhance green spaces, increase tree cover, improve the campus environment, and foster a culture of environmental responsibility among students, faculty, and staff.

Through regular tree plantation activities, LUMHS encourages the participation of its university community in creating a cleaner, greener, and healthier campus. The plantation drives contribute to improved air quality, carbon absorption, biodiversity conservation, and the development of a more sustainable campus ecosystem.

This ongoing institutional commitment supports SDG 15 (Life on Land) through the promotion of vegetation and biodiversity, SDG 13 (Climate Action) through increased tree cover and carbon sequestration, and SDG 11 (Sustainable Cities and Communities) by creating greener and healthier surroundings.

LUMHS's vision is to make the Clean and Green Campus Drive a continuous institutional practice rather than a one-day activity, contributing to a sustainable environment for present and future generations.





