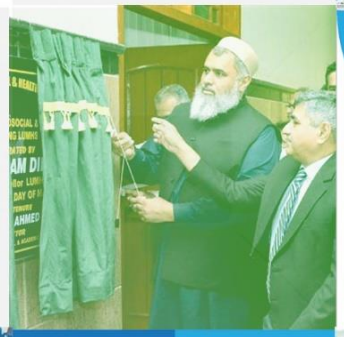
LIAQUAT UNIVERSITY
OF MEDICAL & HEALTH SCIENCES
JAMSHORO

OVERALL REPORT

On SDG-13 Climate Action






LUMHS Contribution to Sustainable Development Goal 13: Climate Action

Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro, recognizes climate change as one of the most pressing global challenges, with far-reaching implications for public health, environmental sustainability, and community well-being. As a leading public-sector health sciences institution, LUMHS is committed to advancing Sustainable Development Goal 13 (Climate Action) through education, research, institutional initiatives, community engagement, and strategic collaborations. The University actively promotes climate awareness, environmental conservation, sustainable campus practices, and climate-resilient healthcare by engaging students, faculty, healthcare professionals, and local communities in meaningful initiatives. Recognizing the close relationship between environmental health and human health, LUMHS integrates climate-related awareness into its academic and community outreach activities, while encouraging responsible resource utilization, tree plantation, pollution reduction, and sustainable lifestyles. Through partnerships with national and international institutions, capacity-building programmes, student-led awareness campaigns, and community-based interventions, LUMHS contributes to strengthening climate resilience and preparing future healthcare professionals and communities to respond effectively to climate-related challenges. These efforts reflect the University's commitment to translating global climate priorities into practical local action and building a healthier, greener, and more sustainable future.

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,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JAMSHORO
SMOKE FREE CAMPUS
Your life is
worth
more than any
NO







Tree Plantation Drive





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LUMHS organized a Climate Change Training for Lady Health Workers in Collaboration with Aga Khan University, Karachi

During 14–30 September 2025, the Faculty of Community Medicine & Public Health Sciences, Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro, under the leadership of its Dean, undertook a significant national consultancy initiative in collaboration with the Department of Community Health Sciences, Aga Khan University (AKU), Karachi. The initiative involved conducting specialized training sessions on climate change and its implications for public health for Lady Health Workers (LHWs) across three major cities of Punjab: Lahore, Multan and Faisalabad. The training aimed to strengthen the knowledge and capacity of frontline healthcare workers to understand the health risks associated with climate change, including extreme heat, environmental pollution, changing disease patterns, water- and vector-borne diseases, and other climate-related health challenges. It also emphasized the importance of community awareness, preventive healthcare, early identification of climate-sensitive health conditions, and effective community-level responses to emerging environmental and public health threats. Through this consultancy, LUMHS faculty collaborated closely with the AKU project team to align the training objectives and educational content with national climate resilience and public health priorities, bringing together academic expertise and institutional resources from two leading universities in Pakistan. This cross-provincial collaboration reflects LUMHS's commitment to knowledge sharing, capacity building, inter-institutional partnerships, and translating academic expertise into practical community health interventions. By extending its professional services beyond Sindh and contributing to the capacity development of Lady Health Workers in Punjab, LUMHS demonstrated its active role in promoting climate-resilient healthcare systems, strengthening frontline health services, and advancing sustainable public health practices in support of SDG 3 (Good Health and Well-being), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals).

Activities

- Conducted training sessions for LHWs on climate adaptation, community resilience and health system preparedness.
- Developed and delivered interactive learning materials and practical modules on climate-related health impacts.
- Aligned training content with national climate and public health priorities in coordination with the AKU team.

Faculty Involved

Dr. Ambreen Aziz Sahito, Dr. Kanwal Naz and Dr. Rafaina Shah from LUMHS.


KFW
Self-Employment of Women in the Private Health Sector, Pakistan
STRENGTHENING CLIMATE ADAPTATION AND RESILIENCE
Training Workshop for Greenstar's Healthcare Providers

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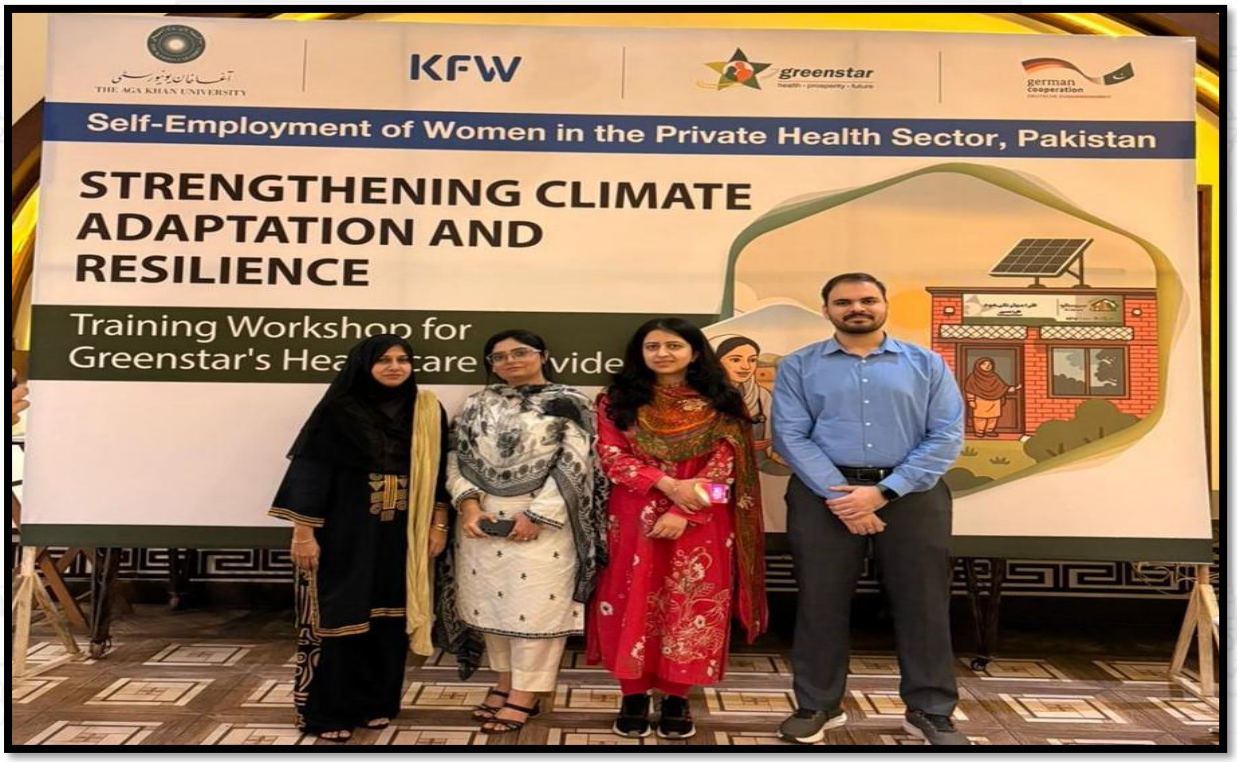
KFW
greenstar
Self-Employment of Women in the Private Health Sector, Pakistan
STRENGTHENING CLIMATE ADAPTATION AND RESILIENCE







LUMHS Participation in the Sustainability & Climate Action Conference 2025

Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro, actively participated in the **Sustainability & Climate Action Conference**, held on **10 July 2025 at Sohail University, Main Campus, Karachi**, under the auspices of the Sindh Higher Education Commission (Sindh HEC). Representing LUMHS, the university joined a diverse gathering of distinguished national and international delegates, including the Chairman of Sindh HEC, Mayor of Karachi, senior government officials, Vice Chancellors, academic leaders, faculty members, members of the judiciary, and representatives of various institutions. The conference provided an important platform for academic and institutional dialogue on sustainability, environmental responsibility, climate resilience, and the role of higher education institutions in addressing emerging environmental challenges. LUMHS's participation reflected its commitment to promoting sustainable development, strengthening inter-university collaboration, and contributing to provincial and national efforts towards climate action. The engagement also provided opportunities to exchange knowledge, share institutional perspectives, and explore collaborative approaches for integrating sustainability principles into higher education, research, campus operations, and community outreach. Through such national-level engagements, LUMHS continues to reinforce its commitment to Sustainability.


Sindh Higher Education Commission
KCCC
KARACHI CENTER FOR CLIMATE CHANGE


SUSTAINABILITY &
CLIMATE ACTION
CONFERENCE
10th July, 2025
Participant
Sohail University - Main Campus
Street 6, Sector 7-A,
Korangi Industrial Area, Karachi

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Participation of Water Testing & Surveillance Laboratory (WT&SL), LUMHS, Jamshoro / Aab-e-LUMHS

The **Director, Water Testing & Surveillance Laboratory (WT&SL) and Aab-e-LUMHS**, represented Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro, at the **Pak Water & Energy Expo 2025** held at Expo Centre Lahore On 22 September 2025.

During the visit, the representative explored the latest technologies, equipment, and solutions related to **water testing, water treatment, purification, quality monitoring, and sustainable water management**. The visit also provided an opportunity to interact with exhibitors, industry professionals, and technology providers and to gain first-hand exposure to emerging developments in the water sector.

Objectives of the Activity

The participation aimed to:

- Enhance institutional knowledge of modern **water-quality testing and monitoring technologies**.
- Explore innovative approaches to **water treatment and purification**.
- Identify technologies that could strengthen the capacity of LUMHS water-testing and surveillance activities.
- Promote awareness of sustainable and efficient **water-resource management**.
- Facilitate interaction with industry stakeholders and technology providers.
- Support continuous professional development and institutional capacity building.

Impact and Institutional Significance

The activity strengthened LUMHS's understanding of emerging technologies and contemporary practices in water quality management. Exposure to modern testing and treatment solutions can contribute to improving institutional capacity for **water-quality surveillance, environmental monitoring, and sustainable water management**.

The participation also created an opportunity for LUMHS to remain informed about technological developments that may support future initiatives under **Aab-e-LUMHS** and the Water Testing & Surveillance Laboratory.

By engaging with industry and exploring practical solutions for water-quality challenges, LUMHS demonstrated its commitment to addressing environmental sustainability and water-security issues through its academic, technical, and laboratory expertise.

The participation provides evidence of LUMHS's **practical engagement with water sustainability and environmental stewardship**. It demonstrates the University's efforts to build institutional capacity, learn from industry and technology providers, and explore innovative solutions for water-quality monitoring and sustainable water management.

The activity is particularly relevant as evidence of LUMHS's contribution to **SDG 6 (Clean Water and Sanitation)** and demonstrates how the University's specialized laboratory expertise is being connected with developments in the wider water sector.







LUMHS–University of Sindh Collaboration on Climate Action Awareness

Liaquat University of Medical & Health Sciences (LUMHS), Jamshoro, in collaboration with the **University of Sindh, Jamshoro**, organized an awareness session for students focusing on **Climate Action and Environmental Sustainability**. The initiative aimed to enhance students' understanding of climate change, its environmental and public health consequences, and the urgent need for collective action to address emerging climate challenges. The session provided an interactive platform for students to explore the impacts of rising temperatures, environmental degradation, pollution, water scarcity, and changing climatic patterns on communities and ecosystems. It also emphasized the role of young people and academic institutions in promoting environmentally responsible behaviors, sustainable lifestyles, resource conservation, tree plantation, and community-based climate initiatives. Through this inter-university collaboration, LUMHS and the University of Sindh strengthened academic engagement and knowledge sharing while encouraging students to become environmentally conscious citizens and active contributors to a climate-resilient society. This initiative reflects the universities' shared commitment **to** SDG 13 (Climate Action), SDG 4 (Quality Education), SDG 11 (Sustainable Cities and Communities), and SDG 17 (Partnerships for the Goals)**.**


SDG 13 CLIMATE ACTION
"CLIMATE ACTION FOR A RESILIENT AND


SDG 13 CLIMATE ACTION
IMATE ACTION FOR A RESILIENT AND
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Work, University of Sindh