

# 6

## CLEAN WATER AND SANITATION



**Ensure availability and  
sustainable management  
of water and sanitation  
for all**





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## CONSERVATION PROGRAM AND IMPLEMENTATION

The Sustainability Practices Team has also built a small reservoir on site to better conserve seasonal waters from precipitation. The reservoir is formed by excavating the land and diverts runoff water into itself. From this year on, it has been one of the greatest sources of water for especially domestic use and drip irrigation system to efficiently water university vegetable gardens.

University Sustainability Practices Team regularly improves and increases campus forest and park area in order to enhance water infiltration and increase ground water supply from an unconfined aquifer. University has contracted with State Unitary Enterprise 'Suvsoz' to responsibly recycle wastewater. Thus, university Sustainable Practices Office monitors and controls the sewerage pipes around university to ensure leak-free university sewage joint to central network.



## TREATED WATER CONSUMED

Sustainable Practices office effectively uses aluminium sulphate in its water treatment. it acts in as a coagulant and removes all the particulates such as dissolved organic carbon and mineral colloids before filtration of all ground and surface water sources (*which makes 64% of all water usage*). The main reason to carry out the process is to provide more purified water for the university population including dormitories and all functioning buildings



## OUR RESULTS IN UI GREENMETRICS 2024

We are proud to claim that TSUULL achieved the **376th Rank** worldwide out of **1183** and Uzbekistan's number **5th University** in the 2023 UI GreenMetric World University Rankings, released on 5 December 2023. The following six topics are examined: Infrastructure, Energy/Climate Protection/Climate Change, Waste Management, Water, Mobility/Transport and Education/Teaching/Research. The ranking compares the sustainability of 1183 universities in the world.

In 2022, TSUULL participated in UI GreenMetric World University Rankings for the first time and took **507th place**, and this year University has taken **376th place**.

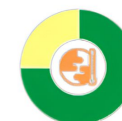


## THE RESULT OF OUR UNIVERSITY'S RANKING IN THE GREEN METRICS

World	Total Ranking <b>376</b>	Water R <b>334</b>
Local	Country Ranking <b>5</b>	Water R <b>5</b>



**Setting & Infrastructure (SI)**  
Point: 975 of max. 1500  
(65.00 %)



**Energy & Climate Change (EC)**  
Point: 1575 of max. 2100  
(75.00 %)



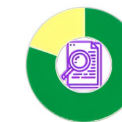
**Water (WR)**  
Point: 750 of max. 1000  
(75.00 %)



**Transportation (TR)**  
Point: 1200 of max. 1800  
(66.67 %)



**Waste (WS)**  
Point: 975 of max. 1800  
(54.17 %)



**Education & Research (ED)**  
Point: 1450 of max. 1800



# Water efficient appliance usage

Indicator		Point
WR.1	Water conservation program	150
WR.2	Water recycling program	150
WR.3	The use of water efficient appliances	200
WR.4	Consumption of treated water	100
WR.5	Water pollution control in campus area	150

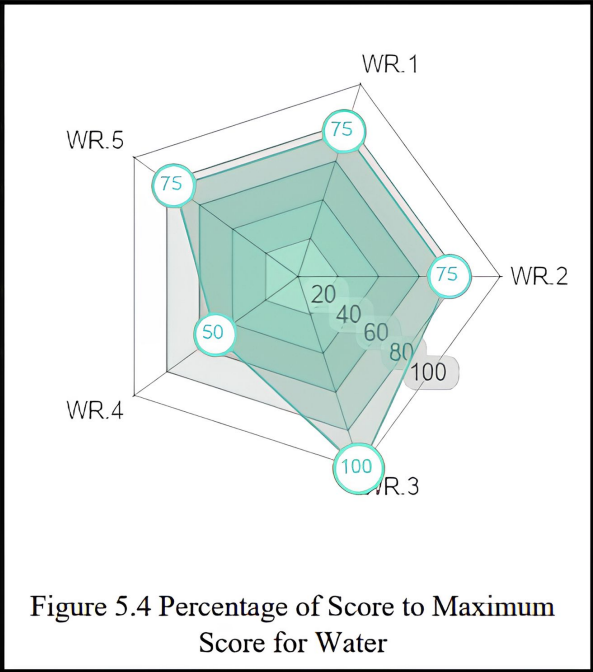


Figure 5.4 Percentage of Score to Maximum Score for Water

In the context of the UI Green Metric, water usage at our university is a critical criterion. The initiative aims to motivate universities to reduce groundwater consumption, enhance water conservation efforts, and protect natural habitats. The assessment includes several key components: 1. Water conservation programs 2. Water recycling initiatives 3. Utilization of water-efficient appliances. 4. Consumption of treated water. The scoring system allocates a maximum of 650 points across these criteria as follows: 1. Water Conservation Program: 150 points 2. Water Recycling Program: 150 points 3. Use of Water-Efficient Appliances: 200 points 4. Consumption of Treated Water: 100 points 5. Water Pollution in Campus Area: 150 points

These measures reflect our commitment to sustainable water management practices and our ongoing efforts to promote environmental stewardship within the university community. University has been implementing water efficient appliances on all campus water use areas. Conventional water appliances have been exponentially replaced by low flush toilets, showers, wash basing and washing machines all of which consumes 30-40% less water compared to previous ones

APPLIANCE	TOTAL NUMBER	WATER EFFICIENT APPLIANCES	PERCENTAGE
TOILET	230	162	69
WASHBASIN	160	134	84
BATH SHOWER	125	105	84
AVERAGE			79%





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# Our open lectures

Our university hosted open lecture by Mirsaid Uzakov on SDG 6, clean water and sanitation. During the lecture, students increased their awareness about water management. The public talk covered key topics, such as

balancing agricultural demands with environmental preservation, addressing the challenges of water pollution, and exploring innovative approaches to water conservation.



Experts shared case studies and best practices from regional and global perspectives, illustrating how Central Asia can adapt to the growing pressures on its water resources. Participants also had the chance to engage in Q&A sessions, enabling a deeper understanding of how water management can drive sustainable economic and social development. This event was a valuable platform for raising awareness and inspiring action towards preserving one of the region's most vital resources.