

## **Poster competition on Renewable Energy Conservation by the Green Youth Movement Society and Society of Agricultural Engineers and Technologists**

A poster presentation on Renewable Energy Conservation by the Green Youth Movement Society (GYM) and the Department of Agricultural Engineering was organized on March 7, 2023, at MNS University of Agriculture, Multan. Dr. Tanveer Ahmad, Dr. Muqarab, Dr. Shakeel, Dr. Shazia Hanif, Dr. Engr Sarfraz Hashim, Dr. Engr. Mohsin Khan, Engr. Farrukh Ehsan, Dr. Abid, Dr. Umair Sultan, Dr Mohsin Nawaz, Engr Shahzad and a large number of students participated in the event. The event's purpose is to create awareness among students regarding using renewable energy. Students of MNSUAM participated in the competition and presented the posters of renewable energy. The event explores many positive impacts of clean energy including the benefits of wind, solar, hydroelectric and biomass energy. Benefits of using renewable energy include less global warming, improved public health and reliability. Event emphasized the need of renewable energy and how the modern world in which energy consumption is increasing can be compensated by using renewable energy like Solar dryers, wind mills, hydropowers, biomass energy, geothermal energy.

Hydropower, or hydroelectric power is a renewable source of energy, which uses the natural flow of moving water to generate electricity. The main purpose of windmill is to convert wind energy into electrical energy, and when electrical energy is obtained, the following are the ways it is used: For pumping of groundwater. Extraction of oil from the seeds. Milling of the grains. Solar technologies convert sunlight into electrical energy either through photovoltaic (PV) panels or through mirrors that concentrate solar radiation.

Biomass is a renewable energy source because we can always grow more trees and crops, and waste will always exist. Some examples of biomass fuels are wood, crops, manure, and some garbage. When burned, the chemical energy in biomass is released as heat. Geothermal energy is renewable because its source is natural heat generated and stored deep within the Earth's core. The Earth's core contains an incredibly vast amount of thermal energy and some of this energy is accessible near the crust.

Dr. Engr Sarfraz Hashim concluded the event with his kind remarks. He appreciated the effort and determination of the team behind the event. He encouraged the students to be change-makers by providing high-value contributions through their work in the community.





