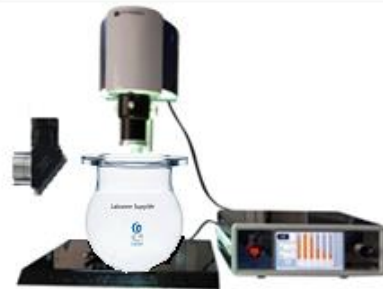

PHOTOCATALYSIS SOLAR SIMULATOR

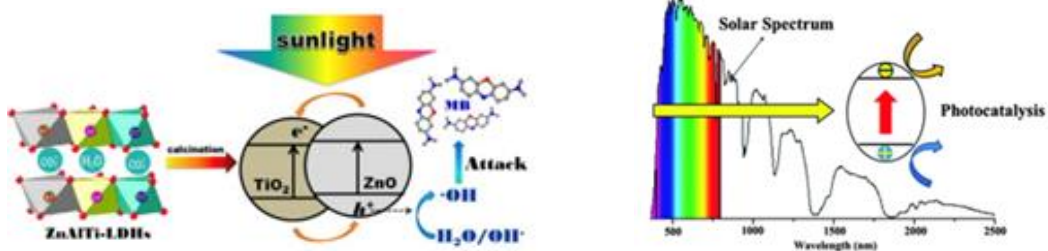
PHOTOCATALYSIS 9000



**PHOTOCATALYSIS
SOLAR SIMULATOR**



**PHOTOCATALYSIS
SOLAR SIMULATOR**



Photocatalysis solar simulator system irradiates the solar light for various times. Irradiation direction can be adjusted for any direction such as horizontal, vertical or any direction.

TECHNICAL DATA:

SOLAR SIMULATOR FOR PHOTODEGRADATION STUDIES

Light source: Xenon lamp

Illumination Power: 1000W/m²

Working Distance: 10 cm

Sample type: Liquid

Wavelength range: UV-Visible radiation

SUNLIGHT-DRIVEN PHOTOCATALYST

Photodegradation of wastewater pollutants using solar light can make it an economically viable process in particular for large-scale aqueous-phase applications. This useful technique is based on the pollutant removal present in both aqueous and gaseous effluents by means of a reaction occurring on a photocatalytic surface activated by light with a specific wavelength. The efficiency and successful application of photocatalysis, demands that the pollutant, catalyst and source of illumination are in close proximity or contact with each other.