



A REVIEW

Evapotranspiration: A comprehensive review

Abhinav Kumar

Department of Soil and Water Engineering, College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan) India (Email : abhinavkumarsanu@gmail.com)

Abstract : Evapotranspiration (ET) is a fundamental process in the Earth's water cycle, representing the combined movement of water from the land surface (including open water bodies, soil, and vegetation) back into the atmosphere. It encompasses two key components: evaporation, the direct transfer of water to the air from various surfaces, and transpiration, the loss of water vapor through tiny pores on plant leaves called stomata. This review provides a detailed examination of evapotranspiration, exploring its mechanisms, influencing factors, measurement techniques, and its significance in various environmental and agricultural applications. Moreover, a section on Irrigation under Climate change is included to understand the adaptation strategies.

Key Words : Evapotranspiration (ET), Agricultural application, Climate change, Adaptation

View Point Article : Kumar, Abhinav (2024). Evapotranspiration: A comprehensive review. *Internat. J. agric. Sci.*, **20** (2) : 597-603, DOI:10.15740/HAS/IJAS/20.2/597-603. Copyright@ 2024: Hind Agri-Horticultural Society.

Article History : Received : 08.04.2024; Accepted : 18.05.2024
