

CURRENT STATUS OF SOLAR DISTILLATION: A REVIEW

RICHA PANDEY¹, RAJESH TRIPATHI² & PRADEEP K. VARSHNEY³

^{1,3}Department of Chemistry, FET, Manav Rachna International University, Faridabad, India

²Department of Applied Sciences and Humanities, Galgotias College of Engineering and
Technology, Greater Noida, India

ABSTRACT

Fresh water is the basic commodity of human life. Using renewable Solar energy and Desalination certainly produce an inexhaustible source of drinking water. Development of such systems which can fulfill the world's population of 6 billion to have access of clean drinking water using natural resources is a need of the hour. Solar still is such a simple and affordable device for converting brackish water into potable water. Many more features are attributed to this simple instrument apart from its simplicity, like eco-friendly, economical, low maintenance charges, ease of handling, sustainability, material availability and 99% purity. The present communication elaborates the advancement of solar still till date and also the scope for further research.

KEYWORDS: Solar Still, Potable Water, Desalination, Solar Distillation