



## **A REVIEW ON RELIABLE IMAGE DEHAZING TECHNIQUES**

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*Abstract— This paper presents a survey on the different haze removal techniques. Haze is a trouble to many computer vision/graphics applications as it reduces the visibility of the scene in the images. Haze is formed due to the two fundamental phenomena such as attenuation and the air light. Attenuation decreases the contrast and air light increases the whiteness in the scene. Haze removal techniques will retain the color and brightness of the scene. These techniques are widely used in many applications such as underwater photography, satellite images etc. Haze removal is very difficult task because fog depends on the scenes depth information which are unknown. Fog effect is the function of distance between camera and object. There for the removal of fog requires the estimation of air light lamp the overall objective of this paper is to describe the various methods for efficiently removing the haze from remote sensing images .It also gives description of some filters used for dehazing.*

*Keywords: air light, attenuation, image dehazing, contrast enhancement, polarizers, ICA, depth DCP, guided filter.*