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Author: Mr. Jordi Sandalinas
Spain, jordisandalinas@gmail.com

REMOTE SENSING AS A TOOL FOR THE DISCOVERY OF MICROBIAL LIFE

Abstract

The present paper will open the floor for discussion referring to the important of remote sensors used for the discovery of life in the universe. Remote sensing techniques range from active to passive remote sensing. Hence it uses the properties of electromagnetic waves to obtain information from the sensed object. Generally, remote sensors can capture data about the most important characteristics of a planetary environment. Space missions use observation techniques to study the characteristics of the studied celestial body. Which techniques are crucial for the discovery of life elsewhere? Are humans technologically ready enough to obtain data that could lead to a possible second genesis? The present paper will address such questions and will provide for some theoretical answers.